

## BIOMYX 2003 PRODUCT LIST

Growth Factors  
Stimulight™ Reporter Vectors With *cis*-Elements  
Products for RNA Interference  
ProteGene™ Dominant Negatives and Constitutively Actives  
Prepared and Custom Agar Plates

### Growth Factors

|  |                   |             |            |
|--|-------------------|-------------|------------|
| <b>TNF-<math>\alpha</math></b><br>Recombinant Human Tumor Necrosis Factor Alpha<br>(TNF-alpha) | <b>T1100-20</b>   | 20 $\mu$ g  | \$299.00   |
|  | <b>T1100-200</b>  | 200 $\mu$ g | \$750.00   |
|  | <b>T1100-1000</b> | 1.0mg       | \$1,999.00 |

### Stimulight™ Reporter Vectors With *cis*-Elements

|   |          |              |
|---|----------|--------------|
| <b>pHTS-CRE</b><br>cAMP luciferase reporter for making stable cell lines  | Catalog# | <b>P2100</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |
| <b>pHTS-GAS</b><br>$\gamma$ -interferon luciferase reporter for making stable cell lines  | Catalog# | <b>P2105</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |
| <b>pHTS-ISRE</b><br>$\alpha$ - and $\beta$ -interferon luciferase reporter for making stable cell lines   | Catalog# | <b>P2110</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |
| <b>pHTS-NFAT</b><br>NFAT luciferase reporter for making stable cell lines   | Catalog# | <b>P2115</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |
| <b>pHTS-NF<math>\kappa</math>B</b><br>NF $\kappa$ B luciferase reporter for making stable cell lines  | Catalog# | <b>P2120</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |
| <b>pHTS-AP1</b><br>Activation by AP-1 complex (c-Jun/fos) with luciferase reporter for making stable cell lines   | Catalog# | <b>P2125</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |
| <b>pHTS-MCS</b><br>cis-enhancers or cis-responsive elements cloning vector with luciferase reporter and hygromycin coding sequence for stable cell line selection | Catalog# | <b>P2130</b> |
|   | Amount   | 40 $\mu$ g   |
|   | Price    | \$450.00     |

## Products for RNA Interference

|   |                               |
|---|-------------------------------|
| <b>pU6-siRNA</b>  | Catalog# <b>P8018</b>         |
| Mammalian Small Interference RNA Expression Vector<br>With Mouse U6 snRNA Promoter. Kit includes 20µg of<br>pU6-siRNA plasmid (0.5µg/µl); 0.5nmole U6<br>Sequencing Primer, (Part# P8018B: 10pmole/µl<br>\$95.00) | Amount 20µg<br>Price \$195.00 |

|  |                               |
|--|-------------------------------|
| <b>pH1-siRNA</b>   | Catalog# <b>P8020</b>         |
| Mammalian Small Interference RNA Expression Vector<br>With Human H1 RNA Promoter. Kit includes 20µg of<br>pH1-siRNA (0.5µg/µl) Plasmid; 0.5nmole of H1<br>Sequencing Primer, (Part# P8020B: 10pmole/µl<br>\$95.00) | Amount 20µg<br>Price \$195.00 |

|   |                                    |
|---|------------------------------------|
| <b>siRNA Expression Vector Kit</b>  | Catalog# <b>P8019</b>              |
| Mammalian Small Interference RNA Expression Vector<br>Kit complete with components in catalog numbers<br>P8018 and P8020. | Amount 20µg each<br>Price \$315.00 |

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>U6 Sequencing Primer</b> | Catalog# <b>P8018B</b>           |
|                             | Amount 0.5nmole<br>Price \$95.00 |

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>H1 Sequencing Primer</b> | Catalog# <b>P8020B</b>           |
|                             | Amount 0.5nmole<br>Price \$95.00 |

## ProtéGene™ Dominant Negatives and Constitutively Actives

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ProtéGene™ clones are fully sequenced and expression-verified. If the gene or the mutant of the gene you are interested in cannot be found on the list, please inquire about our [custom cloning and mutagenesis services](#).

[pMEV and pMEV-2HA mammalian expression vectors](#)

|                                   |                             |                               |                               |
|-----------------------------------|-----------------------------|-------------------------------|-------------------------------|
| <a href="#">Human H-RAS</a>       | <a href="#">Human N-RAS</a> | <a href="#">Human K-RAS2A</a> | <a href="#">Human K-RAS2B</a> |
| <a href="#">Human P53</a>         | <a href="#">Mouse MEKK1</a> | <a href="#">Human CRAF1</a>   | <a href="#">Human MEK1</a>    |
| <a href="#">Human c-Jun(1-79)</a> | <a href="#">Human BRAF</a>  |                               |                               |

**Order**

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| Cat#   | Product Name             | Brief Description  | Amount    | Price (USD) |
|--|--------------------------|--|-----------|-------------|
| Click on hyperlinked names for product manuals and sequences |                          |  |           |             |
| P1000  | <a href="#">pMEV</a>     | Mammalian expression vector designed for high level expression of proteins in mammalian cells using the strong CMV promoter and optimized 5'-leader sequences.                     | 20µg      | \$195.00    |
| P1001  | <a href="#">pMEV-2HA</a> | pMEV-2HA vectors are designed for high level protein expressin in mammalian cells as HA fusions. The use of 2xHA tags increases the detection sensitivity with anti-HA antibodies. | 20µg each | \$298.00    |

|               |                                |   |           |           |
|---------------|--------------------------------|---|-----------|-----------|
| <b>P1010</b>  | Human H-RAS Set                | Expression-ready clones of human H-Ras.<br>Kit includes:<br>pMEVHA-HRAS-WT, wild type H-Ras<br>pMEVHA-HRAS-S17N, dominant negative H-Ras<br>pMEVHA-HRAS-G12V, constitutively active H-Ras                               | 20µg each | \$995.00  |
| <b>P1010a</b> | pMEVHA-HRAS-WT                 | Expresses wild type human H-Ras1  | 20µg      | \$565.00  |
| <b>P1010b</b> | pMEVHA-HRAS-S17N               | Dominant negative H-Ras1 (S17N)   | 20µg      | \$565.00  |
| <b>P1010c</b> | pMEVHA-HRAS-G12V               | Constitutively active H-Ras1 (G12V)   | 20µg      | \$565.00  |
| <b>P1015</b>  | Human N-RAS Set                | Expression-ready clones of human N-Ras.<br>Kit includes:<br>pMEVHA-NRAS-WT, wild type N-Ras<br>pMEVHA-NRAS-S17N, dominant negative N-Ras<br>pMEVHA-NRAS-G12V, constitutively active N-Ras                               | 20µg each | \$995.00  |
| <b>P1015a</b> | pMEVHA-NRAS-WT                 | Expresses wild type human N-RAS1  | 20µg      | \$565.00  |
| <b>P1015b</b> | pMEVHA-NRAS-S17N               | Dominant negative N-RAS1 (S17N)   | 20µg      | \$565.00  |
| <b>P1015c</b> | pMEVHA-NRAS-G12V               | Constitutively active N-RAS1 (G12V)   | 20µg      | \$565.00  |
| <b>P1020</b>  | Human KRAS2A Set               | Expression-ready clones of human K-Ras2A.<br>Kit includes:<br>pMEVHA-KRAS2A-WT, wild type K-Ras2A<br>pMEVHA-KRAS2A-S17N, dominant negative K-Ras2A<br>pMEVHA-KRAS2A-G12V, constitutively active K-Ras2A                 | 20µg each | \$995.00  |
| <b>P1020a</b> | pMEVHA-KRAS2A-WT               | Expresses wild type human K-Ras2A1  | 20µg      | \$565.00  |
| <b>P1020b</b> | pMEVHA-KRAS2A-S17N             | Dominant negative K-Ras2A1(S17N)  | 20µg      | \$565.00  |
| <b>P1020c</b> | pMEVHA-KRAS2A-G12V             | Constitutively active K-Ras2A1(G12V)  | 20µg      | \$565.00  |
| <b>P1025</b>  | Human KRAS2B Set               | Expression-ready clones of human K-Ras2B.<br>Kit includes:<br>pMEVHA-KRAS2B-WT, wild type human K-Ras2B<br>pMEVHA-KRAS2B-S17N, dominant negative K-Ras2B<br>pMEVHA-KRAS2B-G12V, constitutively active K-Ras2B           | 20µg each | \$995.00  |
| <b>P1025a</b> | pMEVHA-KRAS2B-WT               | Expresses wild type human K-Ras2B1  | 20µg      | \$565.00  |
| <b>P1025b</b> | pMEVHA-KRAS2B-S17N             | Dominant negative K-Ras2B1(S17N)  | 20µg      | \$565.00  |
| <b>P1025c</b> | pMEVHA-KRAS2B-G12V             | Constitutively active K-Ras2B1(G12V)  | 20µg      | \$565.00  |
| <b>P1030</b>  | <a href="#">Human MEK1 Set</a> | Expression-ready clones of human MEK1<br>pMEVHA-MEK1-WT, wild type human MEK1<br>pMEVHA-MEK1-DN, dominant negative MEK1<br>pMEVHA-MEK1-CA, constitutively active MEK1<br>pMEVHA-MEK1-K97R, kinase deficient MEK1 (K97R) | 20µg each | \$1356.00 |
| <b>P1030a</b> | pMEVHA-MEK1-WT                 | Expresses wild type human MEK1  | 20µg      | \$565.00  |
| <b>P1030b</b> | pMEVHA-MEK1-DN                 | Dominant negative MEK1 (K97R; S218A; S222A)   | 20µg      | \$565.00  |
| <b>P1030c</b> | pMEVHA-MEK1-CA                 | constitutively active MEK1 (Delta amino acid residues32-51; S218E; S222E)   | 20µg      | \$565.00  |
| <b>P1030d</b> | pMEVHA-MEK1-K97R               | Expresses kinase deficient MEK1 (K97R)  |           | \$565.00  |

|               |                                 |  |           |           |
|---------------|---------------------------------|--|-----------|-----------|
| <b>P1035</b>  | <a href="#">Human P53 Set</a>   | Expression-ready clones of human tumor suppressor p53. Kit includes:<br>pMEVHA-P53-WT, wild type p53<br>pMEVHA-P53-DN, dominant negative p53 | 20µg each | \$865.00  |
| <b>P1035a</b> | pMEVHA-P53-WT                   | Expresses wild type human P53  | 20µg      | \$565.00  |
| <b>P1035b</b> | pMEVHA-P53-DN                   | Dominant negative p53(V143A)   | 20µg      | \$565.00  |
| <b>P1045</b>  | <a href="#">Mouse MEKK1 Set</a> | Expression-ready clones of mouse MEKK1<br>pMEVHA-MEKK1-KD (CA)<br>pMEVHA-MEKK1-K452M   | 20µg each | \$865.00  |
| <b>P1045a</b> | pMEVHA-MEKK1-KD                 | Expresses the kinase domain of wild type mouse MEKK1, amino acid residues 375-672.<br>It's constitutively active in mammalian cells.         | 20µg      | \$565.00  |
| <b>P1045b</b> | pMEVHA-MEKK1-K452M              | Expresses the kinase domain (amino acid residues 375-672) of a mutant mouse MEKK1 (K452M).<br>It lacks protein kinase activity.              | 20µg      | \$565.00  |
| <b>P1060</b>  | Human BRAF Set                  | Expression ready clones of human BRAF<br>pMEVHA-BRAF-WT<br>pMEVHA-BRAF-K482M   | 20µg each | \$995.00  |
| <b>P1060a</b> | pMEVHA-BRAF-WT                  | Expresses wild type human BRAF   | 20µg      | \$680.00  |
| <b>P1060b</b> | pMEVHA-BRAF-K482M               | Expresses the kinase deficient human BRAF  | 20µg      | \$680.00  |
| <b>P1040</b>  | pMEVHA-CRAF1-KD                 | Expresses the kinase domain of wild type human CRAF1, amino acid residues 305-648.   | 20µg      | \$680.00  |
| <b>J1100S</b> | <a href="#">GST-cJun</a>        | Human c-Jun purified as GST fusion to >90%. Optimal  | 100µg     | \$249.00  |
| <b>J1100L</b> |                                 | phosphorylation substrate of JNK.  | 1.0mg     | \$1999.00 |

## Prepoured and Custom Agar Plates

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Lauria-Bertani (LB) agar plates are prepared with the highest quality ingredients and most stringent quality testing for reproducible growth results.

List prices are for sleeve of 10 plates.

EZ-Spreader™ spreading beads included for easy and safe plating of bacteria

| Description   | Catalog Number | Price   |
|---|----------------|---------|
| EZ-Spreader™: 10 vials of sterile beads for plating 60-100 Plates.              | <b>S-1050S</b> | \$6.00  |
| EZ-Spreader™: One tube of sterile beads for plating 120-200 Plates.             | <b>S-1050L</b> | \$9.00  |
| LB Agar, 100x15mm   | <b>LB-1100</b> | \$15.00 |
| LB Agar, 150x15mm   | <b>LB-1150</b> | \$20.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 100x15mm                                   | <b>LA-1100</b> | \$15.00 |
| LB Agar, 100µg/ml <b>Ampicillin</b> , 100x15mm                                  | <b>LA-2100</b> | \$15.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 0.1mM IPTG, 60µg/ml X-gal, 100x15mm        | <b>LA-3100</b> | \$16.00 |
| LB Agar, 75µg/ml <b>Carbenicillin</b> , 100x15mm                                | <b>LA-4100</b> | \$15.00 |
| LB Agar, 75µg/ml <b>Carbenicillin</b> , 0.1mM IPTG, 60µg/ml X-gal, 100x15mm     | <b>LA-5100</b> | \$16.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 150x15mm                                   | <b>LA-1150</b> | \$20.00 |
| LB Agar, 100µg/ml <b>Ampicillin</b> , 150x15mm                                  | <b>LA-2150</b> | \$20.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 0.1mM IPTG, 60µg/ml X-gal, 150x15mm        | <b>LA-3150</b> | \$22.00 |
| LB Agar, 75µg/ml <b>Carbenicillin</b> , 150x15mm                                | <b>LA-4150</b> | \$20.00 |
| LB Agar, 75µg/ml <b>Carbenicillin</b> , 0.1mM IPTG, 60µg/ml X-gal, 150x15mm     | <b>LA-5150</b> | \$22.00 |
| LB Agar, 34µg/ml <b>Chloramphenicol</b> , 100x15mm                              | <b>LC-1100</b> | \$15.00 |
| LB Agar, 34µg/ml <b>Chloramphenicol</b> , 150x15mm                              | <b>LC-1150</b> | \$20.00 |
| LB Agar, 50µg/ml <b>Kanamycin</b> , 100x15mm                                    | <b>LK-1100</b> | \$15.00 |
| LB Agar, 50µg/ml <b>Kanamycin</b> , 150x15mm                                    | <b>LK-1150</b> | \$20.00 |
| LB Agar, 35µg/ml <b>Tetracycline</b> , 100x15mm                                 | <b>LT-1100</b> | \$15.00 |
| LB Agar, 35µg/ml <b>Tetracycline</b> , 150x15mm                                 | <b>LT-1150</b> | \$20.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 25µg/ml <b>Kanamycin</b> , 100x15mm        | <b>LD-1100</b> | \$16.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 34 µg/ml <b>Chloramphenicol</b> , 100x15mm | <b>LD-2100</b> | \$16.00 |
| LB Agar, 50µg/ml <b>Ampicillin</b> , 35µg/ml <b>Tetracycline</b> , 100x15mm     | <b>LD-3100</b> | \$16.00 |
| <b>Custom Agar Plate:</b> Agar plates to your specifications, 100x15mm          | <b>CM-100</b>  | Inquire |
| <b>Custom Agar Plate:</b> Agar plates to your specifications, 150x15mm          | <b>CM-150</b>  | Inquire |

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