

## Recombinant Mouse Epha3

**Cat. No.** Epha3-493M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A DNA sequence encoding the mouse EPHA3 (EDK98238.1) (Gly569-Val984) was expressed with two additional amino acids (Gly & Pro ) at the N-terminus.                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                            |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Gly569-Val984                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from sterile PBS, pH7.4.                                                                                                                                                                             |
| <b>Molecular Mass</b>   | The recombinant mouse EPHA3 consists of 418 amino acids and has a calculated molecular mass of 46.6 kDa. The recombinant protein migrates as an approximately 44 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                  |
| <b>Purity</b>           | >85 % as determined by SDS-PAGE                                                                                                                                                                                  |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70°C                                                                                                                                         |
| <b>Storage</b>          | Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                              |
| <b>Reconstitution</b>   | Hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                        |                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Epha3 Eph receptor A3 [ Mus musculus ]                                                                                                                                                              |
| <b>Official Symbol</b> | Epha3                                                                                                                                                                                               |
| <b>Synonyms</b>        | EPHA3; Eph receptor A3; ephrin type-A receptor 3; EK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor ETK1; Hek; Cek4; ETK1; End3; Hek4; Mek4; Tyro4; AW492086; |
| <b>Gene ID</b>         | 13837                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_010140                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_034270                                                                                                                                                                                           |
| <b>Pathway</b>         | Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;                                                                                                                     |
| <b>Function</b>        | ATP binding; GPI-linked ephrin receptor activity; ephrin receptor activity; kinase activity; nucleotide binding; protein tyrosine kinase activity; receptor activity; transferase activity;         |

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