

Active Recombinant Mouse Epha3, Fc-tagged

Cat. No. Epha3-494M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the extracellular domain of mouse EPHA3 (NP_034270.1)(Met1-His541) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	Human Cells
ProteinLength	Met1-His541
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse EFNA5-His at 10 µg/ml (100 µl/well) can bind mouse EPHA3-Fc, The EC50 of rat mouse EPHA3-Fc is 12.3-28.9 ng/ml.
Molecular Mass	The recombinant mouse EPHA3/Fc comprises 762 amino acids and has a predicted molecular mass of 85.7 kDa. The apparent molecular mass of the protein is approximately 96 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C

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Storage Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [Epha3 Eph receptor A3 \[Mus musculus \]](#)

Official Symbol Epha3

Synonyms 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;

Gene ID [13837](#)

mRNA Refseq [NM_010140](#)

Protein Refseq [NP_034270](#)

Pathway Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;

Function 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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