

Active Recombinant Rat Epha3, Fc-tagged

Cat. No. Epha3-551R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the rat EPHA3 (EDL75897.1) (Met1-His541) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Rat
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 rat EFNA5-His at 10 µg/ml (100 µl/well) can bind rat EPHA3-Fc, The EC50 of rat EPHA3-Fc is 12.1-28.4 ng/ml.
Molecular Mass	The recombinant rat EPHA3/Fc is a disulfide-linked homodimer. The reduced monomer comprises 762 amino acids and has a predicted molecular mass of 85.8 kDa. The apparent molecular mass of the protein is approximately 103 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % 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 \[Rattus norvegicus \]](#)

Official Symbol Epha3

Synonyms EPHA3; Eph receptor A3; ephrin type-A receptor 3; EK4; rEK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor REK4;

Gene ID [29210](#)

mRNA Refseq [NM_031564](#)

Protein Refseq [NP_113752](#)

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

Function ATP binding; GPI-linked ephrin receptor activity; GPI-linked ephrin receptor activity; ephrin receptor activity; ephrin receptor activity; molecular_function; nucleotide binding; protein tyrosine kinase activity; receptor activity;

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