

Active Recombinant Rat Ephb3 Protein, His-tagged

Cat. No. Ephb3-1160R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rat Ephb3 (NP_001099338.1) (Met1-Thr537) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-537 a.a.
Predicted N Terminal	Leu 30
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rat EPHB3-His at 10 µg/ml (100 µl /well) can bind rat EFNB1-Fc, The EC50 of rat EFNB1-Fc is 2-6ng/ml.
Molecular Mass	The recombinant rat Ephb3 consists 519 amino acids and predicts a molecular mass of 57 kDa.
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 -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Ephb3 Eph receptor B3 \[Rattus norvegicus \]](#)

Official Symbol [Ephb3](#)

Synonyms EPHB3; Eph receptor B3; ephrin type-B receptor 3; EPH-like tyrosine kinase-2;

Gene ID [287989](#)

mRNA Refseq [NM_001105868](#)

Protein Refseq [NP_001099338](#)

MIM

UniProt ID

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

Function ATP binding; axon guidance receptor activity; axon guidance receptor activity; ephrin receptor activity; ephrin receptor activity; nucleotide binding; protein tyrosine kinase activity; receptor activity;

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