

Active Recombinant Mouse Ephb2 protein(Met1-Lys540), hFc-tagged

Cat. No. Ephb2-496M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EPHB2 (NP_034272.1) (Met1-Lys540) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys540
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse EFNB2-His at 10 µg/mL (100 µL/well) can bind mouse EPHB2-Fc. The EC50 of mouse EPHB2-Fc is 13.2-30.8ng/mL.
Molecular Mass	The recombinant mouse EPHB2 comprises 760 amino acids and has a predicted molecular mass of 84.6 kDa. The apparent molecular mass of the protein is approximately 96.6 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

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Ephb2 Eph receptor B2 [Mus musculus]

Official Symbol Ephb2

Synonyms EPHB2; Eph receptor B2; ephrin type-B receptor 2; neural kinase; nuk receptor tyrosine kinase; tyrosine-protein kinase receptor EPH-3; tyrosine-protein kinase receptor SEK-3; Drt; Erk; Nuk; Cek5; Hek5; Qek5; Sek3; ETECK; Prkm5; Tyro5;

Gene ID 13844

mRNA Refseq NM_010142

Protein Refseq NP_034272

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