

Recombinant Mouse Ephb4 protein(Met1-Ala539), hFc-tagged

Cat. No. Ephb4-4052M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EPHB4 (P54761-1)(Met 1-Ala 539) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-539 a.a.
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	Measured by its binding ability in a functional ELISA. Immobilized Mouse Ephrin B2 His at 2 µg/ml (100 µl/well) can bind Mouse EphB4 hFc, the EC50 of Mouse EphB4 hFc is 2.0-10.0 ng/mL.
Molecular Mass	The secreted recombinant mouse EPHB4/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 765 amino acids and has a predicted molecular mass of 84.7 kDa. As a result of glycosylation, the apparent molecular mass of rm EPHB4/Fc monomer is approximately 110 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % 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 Ephb4 Eph receptor B4 [Mus musculus]

Official Symbol Ephb4

Synonyms EPHB4; Eph receptor B4; ephrin type-B receptor 4; mDK-2; tyrosine kinase MYK-1; developmental kinase 2; hepatoma transmembrane kinase; Htk; MDK2; Myk1; Tyro11; AI042935;

Gene ID 13846

mRNA Refseq NM_001159571

Protein Refseq NP_001153043

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