

Active Recombinant Mouse Efnb1 protein, hFc-tagged

Cat. No. Efnb1-4049M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Efnb1 protein(NP_034240.1)(Met1-Ser229), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ser229
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse EphB3 at 2 µg/ml (100 µl/well) can bind mouse EFNB1 with a linear range of 0.1-12.5 ng/ml.
Molecular Mass	The recombinant mouse EFNB1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 441 amino acids and has a predicted molecular mass of 49 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEFNB1/Fc monomer is approximately 60 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % 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 [Efnb1 ephrin B1 \[Mus musculus \]](#)

Official Symbol [Efnb1](#)

Synonyms EFNB1; ephrin B1; ephrin-B1; Cek ligand; ELK ligand; Cek5 ligand; CEK5 receptor ligand; stimulated by retinoic acid gene 1 protein; EPH-related receptor tyrosine kinase ligand 2; Epl2; EFL-3; Elk-L; Eplg2; Lerk2; Stra1; Cek5-L; LERK-2;

Gene ID [13641](#)

mRNA Refseq [NM_010110](#)

Protein Refseq [NP_034240](#)

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