

Recombinant Mouse Efnb1 protein(Met1-Ser229), His-tagged

Cat. No. Efnb1-4050M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EFNB1 (NP_034240.1) (Met 1-Ser 229) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-229 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 ability to compete with mouse EphrinB1 / Fc for binding to immobilized mouse EphB3 in a functional ELISA assay.
Molecular Mass	The secreted recombinant mouse EFNB1 consists of 211 amino acids and has a predicted molecular mass of 23.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEFNB1 is approximately 33-38 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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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