

Active Recombinant Human EFNB1 protein(Met 1-Lys 237), His&hFc-tagged

Cat. No. EFNB1-1375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EFNB1 (NP_004420.1)(Met 1-Lys 237) was expressed in HEK293, fused with a C-terminal Fc region of human IgG1 tag followed by a polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	Met 1-Lys 237
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 EphB3 at 2 µg/ml (100 µl/well) can bind Human EFNB1 Fc chimera with a linear range of 1.56-25 ng/ml.
Molecular Mass	The recombinant Human EFNB1/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 458 amino acids and predicts a molecular mass of 51.2 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 64 and 36 KDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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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. 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 [Homo sapiens]
Official Symbol	EFNB1
Synonyms	EFNB1; ephrin-B1; CFNS, craniofrontonasal syndrome (craniofrontonasal dysplasia) , EPLG2; Elk L; LERK2; EFL-3; LERK-2; ELK ligand; ligand of eph-related kinase 2; eph-related receptor tyrosine kinase ligand 2; CFND; CFNS; EFL3; EPLG2; Elk-L; MGC8782;
Gene ID	1947
mRNA Refseq	NM_004429
Protein Refseq	NP_004420
MIM	300035
UniProt ID	P98172

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