

Active Recombinant Human EFNB2 protein, Fc-His-tagged

Cat. No. EFNB2-2240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human EFNB2 protein(NP_004084.1)(Met 1-Ala 229) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-229 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human EphB4-his at 2 µg/ml (100 µl/well) can bind human EphrinB2 Fc chimera with a linear range of 1-25 ng/ml. Immobilized human EphB4 at 2 µg/ml (100 µl/well) can bind human EphrinB2 Fc chimera with a linear range of 1-125 ng/ml.
Molecular Mass	The recombinant human EFNB2/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 450 amino acids and predicts a molecular mass of 50.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EFNB2/Fc monomer is approximately 62 kDa due to glycosylation.
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	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_004084.1
Unit ID	P52799
Unit ID-Weblink	http://www.uniprot.org/uniprot/P52799

GENE INFORMATION

Gene Name	EFNB2 ephrin-B2 [Homo sapiens]
Official Symbol	EFNB2
Synonyms	EFNB2; ephrin-B2; EPLG5; eph related receptor tyrosine kinase ligand 5; HTK ligand; Htk L; HTKL; LERK5; ligand of eph related kinase 5; MGC126226; MGC126227; MGC126228; LERK-5; ligand of eph-related kinase 5; eph-related receptor tyrosine kinase ligand 5; Htk-L;
Gene ID	1948
mRNA Refseq	NM_004093
protein Refseq	NP_004084

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