

Recombinant Human EFNB2 protein, His & GST-tagged

Cat. No. EFNB2-1134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EFNB2 aa. (Phe42~Val333 (Accession # P52799) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe42~Val333
Description	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 64.3kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 7.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	EFNB2 ephrin B2 [Homo sapiens (human)]
Official Symbol	EFNB2
Synonyms	EFNB2; ephrin B2; HTKL; EPLG5; Htk-L; LERK5; ephrin-B2; HTK ligand; LERK-5; eph-related receptor tyrosine kinase ligand 5; ligand of eph-related kinase 5
Gene ID	1948
mRNA Refseq	NM_004093.3

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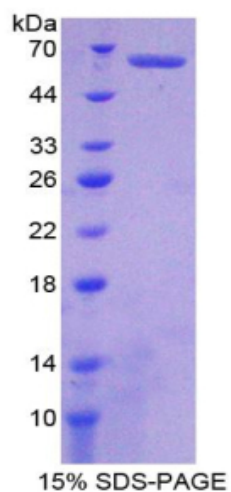
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Protein Refseq NP_004084.1

UniProt ID P52799

SDS-PAGE



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