

# Recombinant Full Length Human EFNB2 Protein, GST-tagged

**Cat. No.** EFNB2-4235HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EFNB2 full-length ORF ( NP_004084.1, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 333 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 63.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MAVRRDSVWKYCWGVLMVLCRTAISKIVLEPIYWNSSNSKFLPGQGLVLYPQIGDK<br>LDIICPKVDSKTVGQYEEYKVYMVVDKDQADRCTIKKENTPLLNCAKPDQDIKFTIKFQ<br>EFSPNLWGLEFQKNKDYYIISTSNGLSLEGLDNQEGGVCQTRAMKILMKVGQDASSA<br>GSTRNKDPTRRPELEAGTNGRSSTTSPFVKPNPGSSTDGNSAGHSGNNILGSEVAL<br>FAGIASGCIIFIVIIITLVVLLKYYRRRHRKHSPQHHTTTLSTLATPKRSGNNNGSEPSD                                                                                                                                                                                                                                                                                                                                                  |

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IIIPLR TADSVFC PHYE KVS GDYGH PVYIVQEM PPQSPAN IYYKV

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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

**MIM**

600527

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