

## Recombinant Human EFNB1, His-tagged

Cat. No. EFNB1-3635H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human EFNB1 protein, fused to His-tag at N-terminus, was expressed in E.coli (28-237aa).
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	Ephrin-B1, also known as EFNB1, belongs to the Eph family. Ephrins, which act as ligands for Eph receptors, are cell-surface proteins that fall into two categories, ephrin-A and ephrin-B, based on their structure and function. EFNB1 proteins are transmembrane and have conserved cytoplasmic tyrosine residues that are phosphorylated upon interaction with an EphB receptor. Also, EFNB1 transduces outside-in signals through C-terminal protein interactions that effect integrin-mediated cell attachment and migration.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 5% glycerol
<b>Molecular Weight</b>	25.3 kDa (231aa)
<b>Purity</b>	> 95% by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MLAKNLEPVS WSSLNPKFLS GKGLVIYPKI GDKLDIICPR AEAGRPYEYY KLYLVRPEQA AACSTVLDPN VLVTCNRPEQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EIRFTIKFQE FSPNYMGLF KKHHDYYITS TSNGSLEGLE NREGGVCRT  
 TMKIIMKVGQ DPNAVTPQL TTSRPSKEAD NTVKMATQAP GSRGSLGDS  
 GKHETVNQEE KSGPGASGGS SGDPDGFNS K

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Pathways**

Axon guidance

## GENE INFORMATION

**Gene Name**

EFNB1 ephrin-B1 [ Homo sapiens ]

**Official Symbol**

EFNB1

**Synonyms**

EFNB1; ephrin-B1; CFND; CFNS; EFL3; EPLG2; Elk-L; LERK2; EFL-3; MGC8782; LERK-2; OTTHUMP00000023456; ELK ligand; EPH-related receptor tyrosine kinase ligand; craniofrontonasal syndrome (craniofrontonasal dysplasia); ligand of eph-related kinase 2; ELK-L

**Gene ID**

1947

**mRNA Refseq**

NM\_004429

**Protein Refseq**

NP\_004420

**MIM**

300035

**UniProt ID**

P98172

**Chromosome**

Xq12

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Location**

**Function**

ephrin receptor binding; protein binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA