

Recombinant Human EFNB1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human EFNB1 protein, fused to His-tag at N-terminus, was expressed in E.coli (28-237aa).
Species	Human
Source	Human
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 5% glycerol
Molecular Weight	25.3 kDa (231aa)
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MLAKNLEPVS WSSLNPKFLS GKGLVIYPKI GDKLDIICPR AEAGRPYEYY KLYLVRPEQA AACSTVLDPN VLVTCNRPEQ

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

EIRFTIKFQE FSPNYMGLEF KKHHDYYITS TSNGSLEGLE NREGGVCRT
 TMKIIMKVGQ DPNAVTPPEQL TTSRPSKEAD NTVKMATQAP GSRGSLGDSD
 GKHETVNQEE KSGPGASGGS SGDPDGGFFNS 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  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  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA