

# Recombinant Human EFNB1, His-tagged

**Cat. No.** EFNB1-12315H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EFNB1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 31-238a.a.                                                                                                                                                                                                                     |
| <b>Description</b>      | The protein encoded by this gene is a type I membrane protein and a ligand of Eph-related receptor tyrosine kinases. It may play a role in cell adhesion and function in the development or maintenance of the nervous system. |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                          |
| <b>Tag</b>              | His                                                                                                                                                                                                                            |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                      |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.                                                          |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | EFNB1 ephrin-B1 [ Homo sapiens ]                                                                                                                                                                                                                           |
| <b>Official Symbol</b>     | EFNB1                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>            | EFNB1; ephrin-B1; CFNS, craniofrontonasal syndrome (craniofrontonasal dysplasia) , EPLG2; Elk L; LERK2; EFL-3; LERK-2; ELK ligand; ligand of eph-related kinase 2; eph-related receptor tyrosine kinase ligand 2; CFND; CFNS; EFL3; EPLG2; Elk-L; MGC8782; |
| <b>Gene ID</b>             | 1947                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_004429                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_004420                                                                                                                                                                                                                                                  |
| <b>MIM</b>                 | 300035                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | P98172                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | Xq12                                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHB forward signaling, organism-specific biosystem; Ephrin B reverse signaling, organism-specific biosystem; EphrinB-EPHB pathway, organism-specific biosystem;           |
| <b>Function</b>            | ephrin receptor binding; protein binding;                                                                                                                                                                                                                  |

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