

## Active Recombinant Human EFNB1 protein, His-tagged

Cat. No. EFNB1-2238H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EFNB1 protein (NP_004420.1)(Met 1-Lys 237) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met 1-Lys 237                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4                                                                                                                                                                                            |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized recombinant human EphrinB1 at 10 µg/ml (100 µl/well) can bind human EphB6 with a linear range of 0.16-4 µg/ml.                                               |
| <b>Molecular Mass</b>   | The recombinant human EFNB1 consists of 221 amino acids and predicts a molecular mass of 24.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EFNB1 is approximately 38 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                  |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                  |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** EFNB1 ephrin-B1 [ Homo sapiens ]

**Official Symbol** EFNB1

**Synonyms** 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

**Gene ID** 1947

**mRNA Refseq** NM\_004429

**Protein Refseq** NP\_004420

**MIM** 300035

**UniProt ID** P98172

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