

## Recombinant Human EFNB1 Protein, His-tagged

**Cat. No.** EFNB1-451H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EFNB1 Protein(NP_004420)(32-239 aa), fused to His tag, was expressed in E. coli.                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                  |
| <b>Protein Length</b>   | 32-239 aa                                                                                                                                                                                                                               |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization. |
| <b>AA Sequence</b>      | LEPVSWSSLNPKFLSGKGLVIYPKIGDKLDIICPRAEAGRPYEEYKLYLVRPEQAAAC<br>STVLDPNVLVTCNRPEQEIRFTIKFQEFSPNYMGLEFKKHHDDYYITSTNGSLEGLN<br>REGGVCRTRTMKIIMKVGQDPNAVTPPEQLTTSRPSKEADNTVKMATQAPGSRGSLG<br>DSDGKHETVNQEEKSGPGASGGSSGDPDGGFFNSKVA           |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.    |

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### Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

## 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

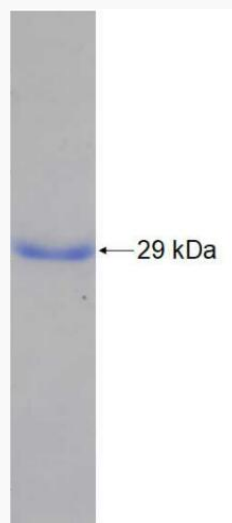
**UniProt ID** P98172

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SDS-PAGE



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