

## Active Recombinant Human EFNA1 protein, Fc-His-tagged

**Cat. No.** EFNA1-2326H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human EFNA1 protein(NP_004419.2)(Met1-Ser182) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-182 aa                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized mouse EphA2 at 2 µg/ml (100 µl/well) can bind human EphrinA1 with a linear range of 0.8-20 ng/ml.                                                                                                                                     |
| <b>Molecular Mass</b>   | The recombinant human EphrinA1/Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 412 amino acids a predicted molecular mass of 47.5 kDa. As a result of glycosylation, rh EphrinA1/Fc monomer migrates as an approximately 50-55 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to                                                                                                                                                                                                                         |

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**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.

**protein Refseq-Weblink**

[http://www.ncbi.nlm.nih.gov/protein/NP\\_004419.2](http://www.ncbi.nlm.nih.gov/protein/NP_004419.2)

**Unit ID**

P20827

**Unit ID-Weblink**

<http://www.uniprot.org/uniprot/P20827>

## GENE INFORMATION

**Gene Name**

[EFNA1 ephrin-A1 \[ Homo sapiens \]](#)

**Official Symbol**

[EFNA1](#)

**Synonyms**

EFNA1; ephrin-A1; EPLG1, TNFAIP4; ECKLG; LERK1; TNF alpha-induced protein 4; ligand of eph-related kinase 1; immediate early response protein B61; eph-related receptor tyrosine kinase ligand 1; tumor necrosis factor alpha-induced protein 4; tumor necrosis factor, alpha-induced protein 4; B61; EFL1; EPLG1; LERK-1; TNFAIP4;

**Gene ID**

[1942](#)

**mRNA Refseq**

[NM\\_004428](#)

**protein Refseq**

NP\_004419

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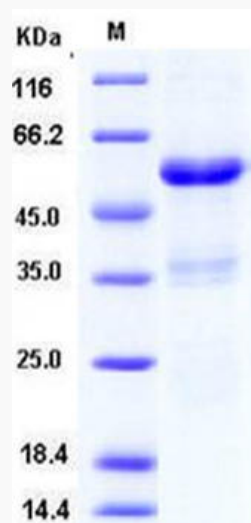
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SDS-PAGE



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