

# Active Recombinant Human EPHA4 protein, His&hFc-tagged

**Cat. No.** EPHA4-942H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human EPHA4 protein(NP_031962.2)(Met 1-Thr 547) 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>    | 1-547 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 human EPHA5 at 20 µg/ml (100 µl/well) can bind human EFNA4-Fc with a linear ranger of 1.28-32 ng/ml.                                                                                                                                                        |
| <b>Molecular Mass</b>   | The recombinant human EPHA4/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 776 amino acids and predicts a molecular mass of 86.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EPHA4/Fc monomer is approximately 100-110 kDa due to high levels of glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | > 92 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                               |

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**Storage** Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to 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.

## GENE INFORMATION

**Gene Name** EPHA4 EPH receptor A4 [ Homo sapiens ]

**Official Symbol** EPHA4

**Synonyms** EPHA4; EPH receptor A4; EphA4, TYRO1; ephrin type-A receptor 4; Hek8; EK8; EPH-like kinase 8; TYRO1 protein tyrosine kinase; tyrosine-protein kinase TYRO1; tyrosine-protein kinase receptor SEK; receptor protein-tyrosine kinase HEK8; SEK; HEK8; TYRO1;

**Gene ID** 2043

**mRNA Refseq** NM\_004438

**Protein Refseq** NP\_004429

**MIM** 602188

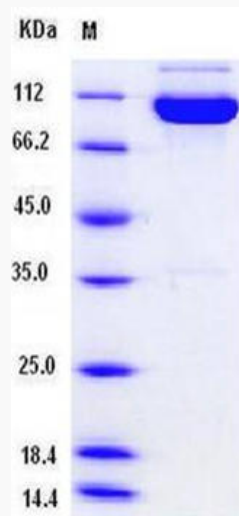
**UniProt ID** P54764

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SDS-PAGE



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