

# Human EphA4/Eph Receptor A4 (His & Fc Tag) recombinant protein



Catalog Number: 503251

## General Information

### Gene Name Synonym

Tyrosine-protein kinase receptor MPK-3; Tyrosine-protein kinase receptor SEK-1

### Protein Construction

A DNA sequence encoding the human EPHA4 (NP\_031962.2) extracellular domain (Met 1-Thr 547) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

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.

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Val 20

## Molecular Mass

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.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

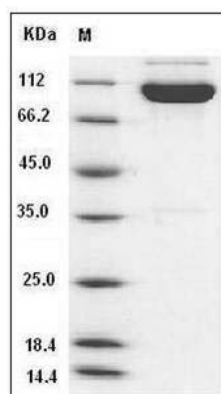
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human EphA4 Protein (His & Fc Tag) SDS-PAGE