

# Human Ephrin-A3/EFNA3 (His & Fc Tag) recombinant protein



Catalog Number: 504116

## General Information

### Gene Name Synonym

EFL-2; EHK1 ligand; EPH-related receptor tyrosine kinase ligand 3

### Protein Construction

A DNA sequence encoding the human EphrinA3 (NP\_004943.1) (Met 1-Ser 213) with the C-terminal propeptide removed 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 mouse EphA6-His (Cat:503340) at 10 µg/mL (100 µl/well) can bind human EphrinA3-Fch (Cat:504116), The EC<sub>50</sub> of human EphrinA3-Fch (Cat:504116) is 36.0-85.0 ng/mL.

### Purity

> 97 % 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

Gln 23

### Molecular Mass

The recombinant human EphrinA3/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 439 amino acids and has a predicted molecular mass of 49.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhEphrinA3/Fc monomer is approximately 60-65 kDa due to 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

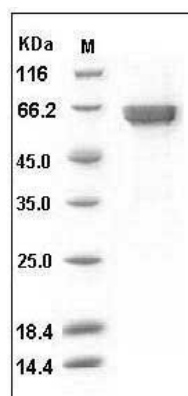
### Storage

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 Ephrin-A3/EFNA3 (His & Fc Tag) recombinant protein



Catalog Number: 504116

---

Human Ephrin-A3 / EFNA3 Protein (His & Fc Tag)    SDS-PAGE