

# Human EphB6/Eph Receptor B6 (Fc Tag) recombinant protein



Catalog Number: 504529

## General Information

### Protein Construction

The extracellular domain (Met 1-Ser 579) of human EphB6 (NP\_004436.1) precursor was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant human EphrinB1 at 10 µg/ml (100 µl/well) can bind human EphB6 with a linear range of 0.16-4 µg/ml.
3. Immobilized recombinant human EphrinB2 at 10 µg/ml (100 µl/well) can bind human EphB6 with a linear range of 1.28-32 ng/ml.

### Purity

> 90 % 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

Leu 17

### Molecular Mass

The recombinant mature human EphB6/Fc chimera is a disulfide linked homodimeric protein. Each monomer consists of 801 amino acids and has a calculated molecular mass of 86.5 kDa. In SDS-PAGE under reducing conditions, rhEphB6/Fc monomer migrates with an apparent molecular mass of approximately 100-110 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

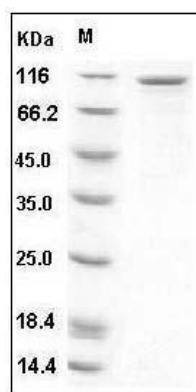
### Storage

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 EphB6 / EphB6 Protein (Fc Tag) SDS-PAGE