

# Mouse EphB4/Eph Receptor B4 (Fc Tag) recombinant protein



Catalog Number: 503845

## General Information

### Gene Name Synonym

Developmental kinase 2; Hepatoma transmembrane kinase; Tyrosine kinase MYK-1

### Protein Construction

A DNA sequence encoding the mouse EPHB4 (P54761-1) extracellular domain (Met 1-Ala 539) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse EPHB2-His (Cat:500099) at 10 µg/mL (100 µl/well) can bind mouse EPHB4-Fc (Cat:503845), The EC<sub>50</sub> of mouse EPHB4-Fc (Cat:503845) is 15 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

Leu 16

## Molecular Mass

The secreted recombinant mouse EPHB4/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 765 amino acids and has a predicted molecular mass of 84.7 kDa. As a result of glycosylation, the apparent molecular mass of rm EPHB4/Fc monomer is approximately 110 kDa in SDS-PAGE under reducing conditions.

## 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

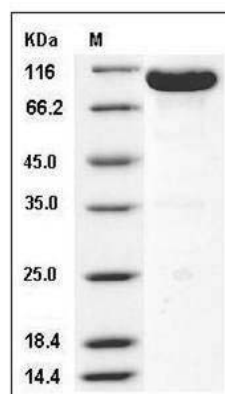
### Storage

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



Mouse EphB4 / HTK Protein (Fc Tag) SDS-PAGE