

# Mouse EphB2/Eph Receptor B2 (Fc Tag) recombinant protein



Catalog Number: 504804

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse EPHB2 (NP\_034272.1) (Met1-Lys540) was expressed 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 EFNB2-His (Cat:500099) at 10 µg/mL (100 µL/well) can bind mouse EPHB2-Fc. The EC<sub>50</sub> of mouse EPHB2-Fc is 13.2-30.8ng/mL.

### Purity

> 95 % 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 19

## Molecular Mass

The recombinant mouse EPHB2 comprises 760 amino acids and has a predicted molecular mass of 84.6 kDa. The apparent molecular mass of the protein is approximately 96.6 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

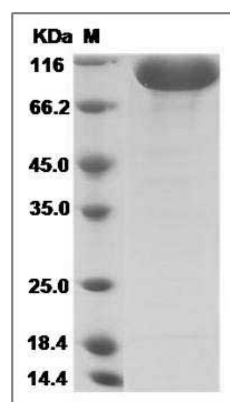
### Storage

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 EphB2 / Hek5 Protein (Fc Tag) SDS-PAGE