

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



Catalog Number: 502562

## 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 a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse EphB4 at 2 µg/ml (100 µl/well) can bind mouse EphrinB2 with a linear range of 0.2-25 ng/ml.

### Purity

> 98 % 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 comprises 535 amino acids and has a predicted molecular mass of 59 kDa. As a result of glycosylation, the apparent molecular mass of His tagged EPHB4 monomer is approximately 70 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

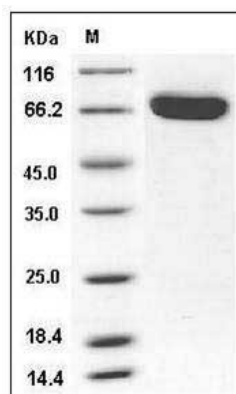
### Storage

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 (His Tag) SDS-PAGE