# 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 Cterminus.

#### Organism

Mouse

## **Expression Host**

Human Cells

# **QC Testing**

#### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse EphB4 at 2  $\mu$ g/ml (100  $\mu$ l/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  $\mu g$  of the protein as determined by the LAL method

#### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

## **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 7.41. 5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

# **Usage Guide**

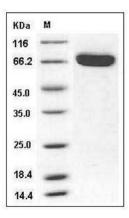
#### Storage

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