# Mouse EphA1/Eph Receptor A1 (His Tag) recombinant protein

Catalog Number: 500918



#### **General Information**

## **Gene Name Synonym**

Embryonic stem cell kinase; Tyrosine-protein kinase receptor ESK

#### **Protein Construction**

A DNA sequence encoding the extracellular domain of mouse EPHA1 (Q60750) (Met 1-Glu 548) was expressed, with a C-terminal polyhistidine tag.

# **Organism**

Mouse

# **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

Measured by its binding ability in a functional ELISA.

Immobilized mouse EPHA1-His at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind mouse EFNA1-Fc (Cat:503668), The EC<sub>50</sub> of mouse EFNA1-Fc (Cat:503668) is 21.3-49.8 ng/ml.

## **Purity**

> 97 % 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  $^{\circ}\text{C}$ 

## **Predicted N terminal**

Arg 25

#### Molecular Mass

The secreted recombinant mouse EPHA1 comprises 535 amino acids and has a calculated molecular mass of 58.6 kDa. As a result of glycosylation, the apparent molecular mass of rmEPHA1 is approximately 68 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**

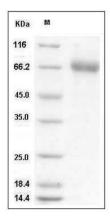
# **Storage**

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 EphA1 / EPH receptor A1 Protein (His Tag) SDS-PAGE