

# Mouse EphA2/Eph Receptor A2 (His Tag) recombinant protein



Catalog Number: 502565

## General Information

### Gene Name Synonym

Epithelial cell kinase; Tyrosine-protein kinase receptor ECK; Tyrosine-protein kinase receptor MPK-5; Tyrosine-protein kinase receptor SEK-2

### Protein Construction

A DNA sequence encoding the mouse EPHA2 (NP\_034269.2) extracellular domain (Met 1-Asn 535) was expressed, 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.

1. Immobilized mouse EphA2 at 2 $\mu$ g/ml (100  $\mu$ l/well) can bind mouse EphrinA1 with a linear range of 0.16-20 ng/ml.

2. Immobilized mouse EphA2 at 2  $\mu$ g/ml (100  $\mu$ l/well) can bind human EphrinA1 with a linear range of 0.8-20 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°C

## Predicted N terminal

Gln 24

## Molecular Mass

The secreted recombinant mouse EPHA2 consists of 523 amino acids and has a predicted molecular mass of 58 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEPHA2 is approximately 65 kDa due to glycosylation.

## Formulation

Lyophilized from sterile 20mM Tris, 150mM NaCl, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

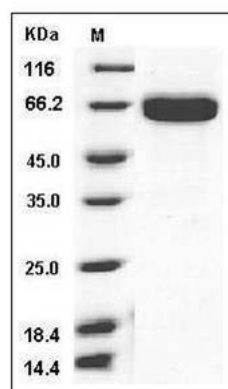
### Storage

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



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Mouse EphA2 Protein (His Tag) SDS-PAGE