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 2μg/ml (100 μl/well) can bind mouse EphrinA1 with a linear range of 0.16-20 ng/ml.
2. Immobilized mouse EphA2 at 2 μg/ml (100 μl/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 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℃

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

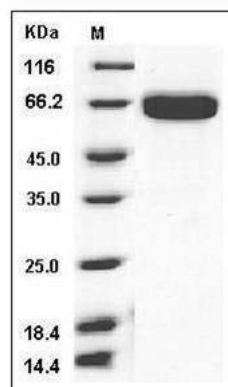### Storage

Store it under sterile conditions at -20℃ to -80℃. 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 EphA2 Protein (His Tag) SDS-PAGE