

Mouse Ephrin-B1/EFNB1 (His Tag) recombinant protein



Catalog Number: 502462

General Information

Gene Name Synonym

CEK5 receptor ligand; ELK ligand; EPH-related receptor tyrosine kinase ligand 2; Stimulated by retinoic acid gene 1 protein

Protein Construction

A DNA sequence encoding the mouse EFNB1 (NP_034240.1) extracellular domain (Met 1-Ser 229) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to compete with mouse EphrinB1 / Fc for binding to immobilized mouse EphB3 in a functional ELISA assay.

Purity

> 95 % 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

Lys 30

Molecular Mass

The secreted recombinant mouse EFNB1 consists of 211 amino acids and has a predicted molecular mass of 23.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEFNB1 is approximately 33-38 kDa due to glycosylation.

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

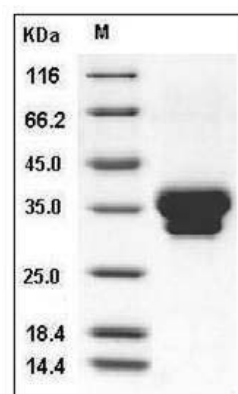
Storage

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 Ephrin-B1 / EFNB1 Protein (His Tag) SDS-PAGE