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

Catalog Number: 503291

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 as fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse EphB3 at 2 μg/ml (100 μl/well) can bind mouse EFNB1 with a linear range of 0.1-12.5 ng/ml.

Purity

> 85 % 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

Lys 30

Molecular Mass

The recombinant mouse EFNB1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 441 amino acids and has a predicted molecular mass of 49 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEFNB1/Fc monomer is approximately 60 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

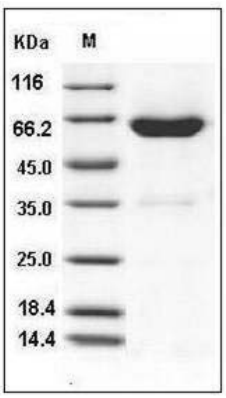
Storage

Store it under sterile conditions at -20℃ 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 Ephrin-B1 / EFNB1 Protein (Fc Tag) SDS-PAGE