

Mouse Ephrin-B2 (Fc Tag) recombinant protein



Catalog Number: 504064

General Information

Gene Name Synonym

ELF-2; EPH-related receptor tyrosine kinase ligand 5; HTK ligand

Protein Construction

A DNA sequence encoding the mouse EFNB2 (NP_034241.2) extracellular domain (Met 1-Ala 232) was expressed with the fused 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 EphB4 at 2 µg/ml (100 µl/well) can bind mouse EphrinB2 Fc with a linear range of 0.2-25 ng/ml.

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

Arg 29

Molecular Mass

The recombinant mouse EFNB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 445 amino acids and has a predicted molecular mass of 49 kDa. As a result of glycosylation, the apparent molecular mass of rmEFNB2/Fc monomer is approximately 55-60 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

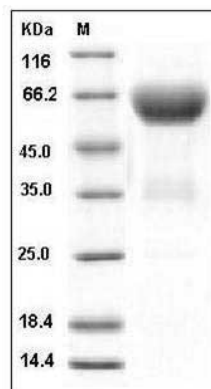
Storage

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 Ephrin-B2 / EFNB2 Protein (Fc Tag) SDS-PAGE