

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



Catalog Number: 502474

General Information

Gene Name Synonym

ELK ligand; EPH-related receptor tyrosine kinase ligand 2

Protein Construction

A DNA sequence encoding the rat EFNB1 (P52796) (Met1-Thr229) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Immobilized mouse EphB3-His (Cat:500494) at 10 µg/ml (100 µl/well) can bind ratEFNB1-Fc, The EC₅₀ of ratEFNB1-Fc is 6.1-14.2 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°C

Predicted N terminal

Ala 25

Molecular Mass

The recombinant rat EFNB1 comprises 446 amino acids and predicts a molecular mass of 49.4 kDa. The apparent molecular mass of the rat EFNB1 is approximately 58 kDa in SDS-PAGE under reducing conditions 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

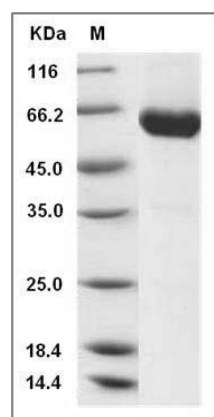
Storage

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



Rat Ephrin-B1 / EFNB1 Protein (Fc Tag) SDS-PAGE