

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



Catalog Number: 501410

General Information

Gene Name Synonym

EFL-3; ELK ligand; EPH-related receptor tyrosine kinase ligand 2

Protein Construction

A DNA sequence encoding the human EFNB1 (NP_004420.1) extracellular domain (Met 1-Gly 232) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant human EphrinB1 at 10 µg/ml (100 µl/well) can bind human EphB6 with a linear range of 0.16-4 µg/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

Leu 28

Molecular Mass

The recombinant human EFNB1 consists of 221 amino acids and predicts a molecular mass of 24.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EFNB1 is approximately 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

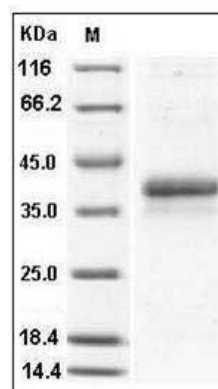
Storage

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



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