

General Information

Gene Name Synonym

EPH-related receptor tyrosine kinase ligand 5;
HTK ligand

Protein Construction

A DNA sequence encoding the human EFNB2 (NP_004084.1) extracellular domain (Met 1-Ala 229) was expressed, fused with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human EFNB2 at 2 µg/ml (100 µl/well) can bind human EphB4 with a linear rangel of 1.56-12.5 ng/ml.

Purity

> 97 % 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

Ile 28

Molecular Mass

The recombinant human EFNB2 consists of 213 amino acids after removal of the signal peptide and predicts a molecular mass of 23.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EFNB2 is approximately 35-40 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

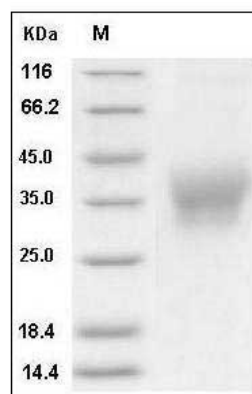
Storage

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-B2 / EFNB2 Protein (His Tag) SDS-PAGE