Human EphB2/Eph Receptor B2 recombinant protein

Catalog Number: 503852

General Information

Gene Name Synonym

Developmentally-regulated Eph-related tyrosine kinase; ELK-related tyrosine kinase; EPH tyrosine kinase 3; EPH-like kinase 5; Renal carcinoma antigen NY-REN-47; Tyrosine-protein kinase TYRO5; Tyrosine-protein kinase receptor EPH-3

Protein Construction

A DNA sequence encoding the human EPHB2 (NP_059145.2) (Met 1-Leu 543) was expressed with six amino acids (ENLYFQ) at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Immobilized human EPHB2 at 10 μg/ml (100 μl/well) can bind human EFNB2-Fch (Cat:502066), The EC_{50} of human EFNB2-Fch (Cat:502066) is 18.2-42.7 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℃

Predicted N terminal

Val 19

Molecular Mass

The recombinant human EPHB2 consists of 532 amino acids and predicts a molecular mass of 59 KDa. It migrates as an approximately 66 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

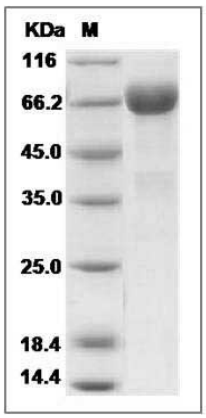
Storage

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



Human EphB2 / Hek5 Protein SDS-PAGE