

Human EphB2/Eph Receptor B2 (His & Fc Tag) recombinant protein



Catalog Number: 503991

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 extracellular domain (Met 1-Leu 543) of human EphB2 (NP_059145.2) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind recombinant human EphrinB2 in a functional ELISA.

Purity

> 90 % 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

Val 19

Molecular Mass

The recombinant human EphB2/Fc is a disulfide-linked homodimer. The reduced monomer consists of 773 amino acids and has a predicted molecular mass of 86 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EphB2/Fc monomer is approximately 90-100 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

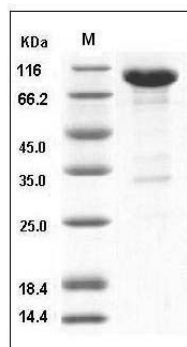
Storage

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 EphB2 Protein (His & Fc Tag) SDS-PAGE