

Human Ephrin-A3/EFNA3 (His & Fc Tag) recombinant protein



Catalog Number: 504116

General Information

Gene Name Synonym

EFL-2; EHK1 ligand; EPH-related receptor tyrosine kinase ligand 3

Protein Construction

A DNA sequence encoding the human EphrinA3 (NP_004943.1) (Met 1-Ser 213) with the C-terminal propeptide removed 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 binding ability in a functional ELISA. Immobilized mouse EphA6-His (Cat:503340) at 10 µg/mL (100 µl/well) can bind human EphrinA3-Fch (Cat:504116), The EC₅₀ of human EphrinA3-Fch (Cat:504116) is 36.0-85.0 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

Gln 23

Molecular Mass

The recombinant human EphrinA3/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 439 amino acids and has a predicted molecular mass of 49.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhEphrinA3/Fc monomer is approximately 60-65 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

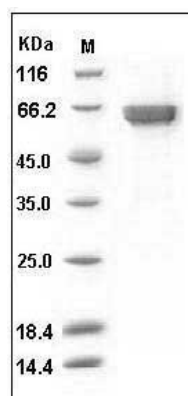
Storage

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



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