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

Catalog Number: 503725

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 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 at 1 μg/ml (100 μl/well) can bind human EphrinA3 / Fc Chimera. The EC_{50} of human EphrinA3 is 299.2 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℃

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 429 amino acids and has a predicted molecular mass of 48 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

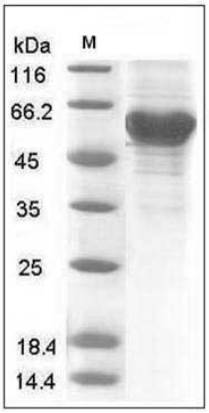
Storage

Store it under sterile conditions at -20℃ 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 Ephrin-A3 / EFNA3 / EFL2 Protein (Fc Tag) SDS-PAGE