Human ALK-4 / ACVR1B (His & Fc Tag) recombinant protein

Catalog Number: 502078

General Information

Gene Name Synonym

Activin receptor type IB; Activin receptor-like kinase 4; Serine/threonine-protein kinase receptor R2

Protein Construction

A DNA sequence encoding the human ACVR1B (NP_004293.1) extracellular domain (Met 1-Glu 126) was fused with C-terminal His-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 human TDGF1 at 2 μg/ml (100 μl/well) can bind human ALK-4 with a linear range of 0.0068-0.16 μg/ml.

Purity

> 80 % 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

Ser 24

Molecular Mass

The recombinant human ALK4/Fc is a disulfide-linked homodimer. The reduced monomer consists of 351 amino acids and has a predicted molecular mass of 39.6 kDa. In SDS-PAGE under reducing conditions, rhALK4/Fc monomer migrates as an approximately 46 kDa band due to glycosylation, with ~15% free Fc fragment.

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

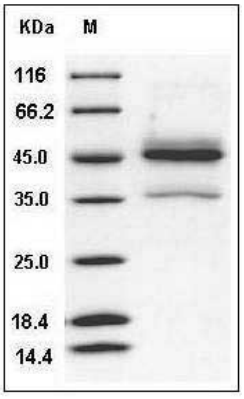
Storage

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 ALK4 / ACVR1B Protein (His & Fc Tag) SDS-PAGE