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

Catalog Number: 504100

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 expressed, with a C-terminal polyhistidine tag.

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 0.032-4 μg/ml.

Purity

> 92 % 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 ACVR1B consists of 114 amino acids and has a predicted molecular mass of 13 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh ACVR1B is approximately 18-20 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

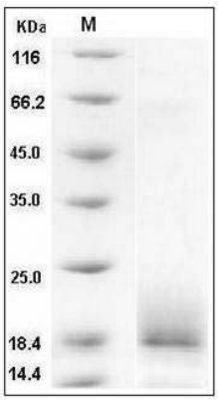
Storage

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 ALK4 / ACVR1B Protein (His Tag) SDS-PAGE