Human ACVR2B (His Tag) recombinant protein

Catalog Number: 502533

General Information

Gene Name Synonym

Activin receptor type IIB

Protein Construction

A DNA sequence encoding the extracellular domain of human ACVR2B (NP_001097.2) (Met 1-Thr 134) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated Human INHBA-his (Cat:10429-H08H□in functional ELISA.
2. Measured by its ability to bind biotinylated Mouse INHBA-his (Cat:500709) in functional ELISA.
3. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED_{50} for this effect is typically 0.3-2 μg/mL in the presence of 10 ng/mL recombinant Activin A.

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

Ser 19

Molecular Mass

The recombinant human ACVR2B comprises 127 amino acids and predicts a molecular mass of 15 kDa. As a result of glycosylation, rh ACVR2B migrates as an approximately 33-38 kDa protein in SDS-PAGE under reducing conditions.

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

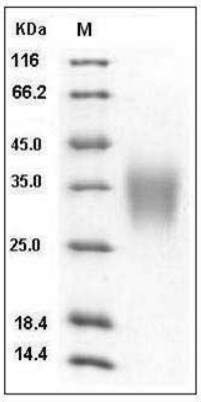
Storage

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 ACVR2B / ActivinR-IIB Protein (His Tag)

SDS-PAGE