

Cynomolgus ACVR2B (His Tag) recombinant protein



Catalog Number: 504834

General Information

Protein Construction

A DNA sequence encoding the cynomolgus ACVR2B (Ser28-Thr143) was expressed with a polyhistidine tag at the C-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED₅₀ for this effect is typically 0.2-1 µg/mL in the presence of 10 ng/mL recombinant Activin A.

Purity

> 95 % 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

Ser 28

Molecular Mass

The recombinant cynomolgus ACVR2B comprises 127 amino acids and has a calculated molecular mass of 14.8 KDa. The apparent molecular mass of it is approximately 33-36 KDa 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

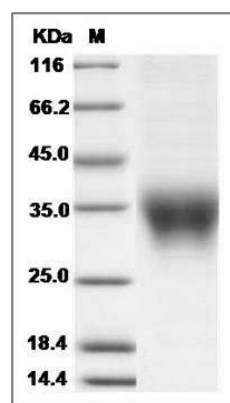
Storage

Store it under sterile conditions at -20°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



Cynomolgus ACVR2B / ACTRIIB Protein (His Tag)
SDS-PAGE