

Mouse ALK-2 / ACVR1 (His & Fc Tag) recombinant protein



Catalog Number: 500799

General Information

Gene Name Synonym

Activin receptor type I; Serine/threonine-protein kinase receptor R1; TGF-B superfamily receptor type I; TSK-7L

Protein Construction

A DNA sequence encoding the mouse ACVR1 (NP_031420.2) precursor (Met 1-Glu 123) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measure by its ability to bind with human BMP2 in a functional ELISA.

Purity

> 90 % 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

Val 21

Molecular Mass

The secreted recombinant mouse ACVR1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer comprises 351 amino acids with a predicted molecular mass of 40 kDa. As a result of glycosylation, it migrates as an approximately 45 kDa band 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

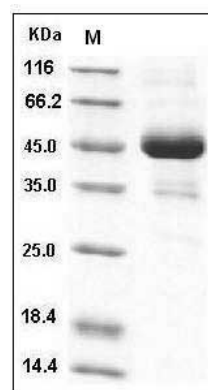
Storage

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



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