

Rat ALK-4 / ACVR1B (Fc Tag) recombinant protein



Catalog Number: 504742

General Information

Protein Construction

A DNA sequence encoding the rat ACVR1B (Met1-Glu126) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind with rat TDGF1-His (Cat:504857) in a functional ELISA.

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 24

Molecular Mass

The recombinant rat ACVR1B/Fc is a disulfide-

linked homodimer. The reduced monomer comprises 344 amino acids and has a predicted molecular mass of 38.4 kDa. The apparent molecular mass of the protein is approximately 42 and 34 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

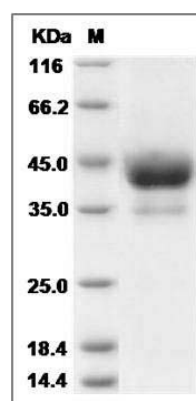
Storage

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



Rat ACVR1B / ALK-4 Protein (Fc Tag) SDS-PAGE