

Datasheet for ABIN7320467

Activin A Receptor Type IB/ALK-4 Protein (Fc Tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Activin A Receptor Type IB/ALK-4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse ALK4/ACVR1B Protein (Fc Tag)
Sequence:	Leu32-Glu126
Characteristics:	Recombinant Mouse Activin Receptor Type-1B is produced by our Mammalian expression system and the target gene encoding Leu32-Glu126 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Alternative Name:	ALK4/ACVR1B (ACVR1B Products)
Background:	Background: Activin Receptor Type-1B (ACVR1B) is a single-pass type I membrane protein that belongs to the protein kinase superfamily. ACVR1B contains one GS domain and one protein

Target Details

kinase domain and is expressed in many tissues, most strongly in kidney, pancreas, brain, lung, and liver. ACVR1B acts as a transducer of activin or activin like ligands signals. Activin binds to either ACVR2A or ACVR2B and then forms a complex with ACVR1B, ACVR2A or ACVR2B activating ACVR1B through phosphorylation of its regulatory GS domain. They go on to recruit the R-SMADs, SMAD2 and SMAD3. ACVR1B also transducers signals of nodal, GDF-1, and Vg1. Mutations in ACVR1B are associated with pituitary tumors.

Synonym: Activin Receptor Type-1B, Activin Receptor Type IB, ACTR-IB, Activin Receptor-Like Kinase 4, ALK-4, Serine/Threonine-Protein Kinase Receptor R2, SKR2, ACVR1B, ACVRLK4, ALK4

Molecular Weight: 37.7 kDa

UniProt: [Q61271](#)

Application Details

Restrictions: For Research Use only

Handling

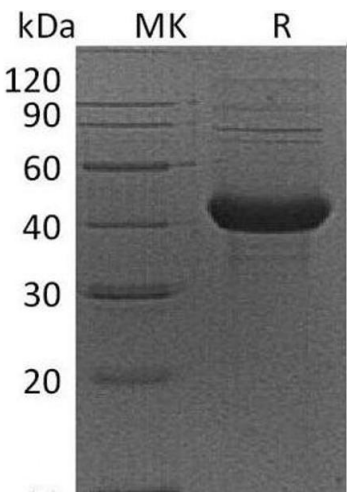
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.