Datasheet for ABIN1095963

ACVR2B Protein (AA 19-134) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	ACVR2B
Protein Characteristics:	AA 19-134
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVR2B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Activin Receptor 2B/Activin RIIB/ACVR2B (C-6His)
Sequence:	SGRGEAETRE CIYYNANWEL ERTNQSGLER CEGEQDKRLH CYASWRNSSG TIELVKKGCW LDDFNCYDRQ ECVATEENPQ VYFCCCEGNF CNERFTHLPE AGGPEVTYEP PPTAPTVDHH HHHH
Characteristics:	Recombinant Human Activin Receptor Type IIB/ACVR2B is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ser19-Thr134) of Human ACVR2B fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ACVR2B
Abstract:	ACVR2B Products
Sub Type:	Fusionprotein
Background:	Activin proteins that belong to the transforming growth factor-beta (TGF-beta) superfamily, exert their biological actions by binding to heteromeric receptor complexes of type I and type II serine/threonine kinase receptors. On ligand binding, type I and II receptors form a stable complex, resulting in phosphorylation of type I receptors by type II receptors with constitutive kinase activity, and subsequently initiates the activation of downstream molecules including the endogenous Smads. ActRIIB, also known as ActRIIB, is a type II receptor containing an extracellular domain (ECD), a transmembrane segment, and a cytoplasmic region that includes the kinase domain. ActRIIB is a receptor for activin A, activin B and inhibin A. Multiple ActRIIB isoforms can also be generated, which bind activin isoforms with different affinities. Alternative Names: Activin Receptor Type-2B, Activin Receptor Type IIB, ACTR-IIB, ACVR2B
Molecular Weight:	14.37 kDa
UniProt:	Q13705
Pathways:	Hormone Transport, Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Handling

Expiry Date:	3 months