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Datasheet for ABIN7318131 **ACVR2B Protein (His tag,Fc Tag)**

Overview

Quantity:	50 µg
Target:	ACVR2B
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ACVR2B protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human Activin Receptor 2B/ACVR2B Protein (Fc & His Tag)(Active)
Sequence:	Ser19-Thr134
Characteristics:	Recombinant Human Activin Receptor Type 2B is produced by our Mammalian expression system and the target gene encoding Ser19-Thr134 is expressed with a Fc, 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human/Mouse/Rat Activin A(Cat: PKSH033807) at 5µg/ml(100 µl/well) can bind Human ACVR2B-His. The ED50 of Human ACVR2B-His is 20.58 ng/ml .

Target Details

Target:	ACVR2B
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Target Details

Alternative Name:	Activin Receptor 2B/ACVR2B (ACVR2B Products)
Background:	<p>Background: Activin proteins that belong to the transforming growth factor-beta (TGF-β) 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.</p> <p>Synonym: Activin Receptor Type-2B, Activin Receptor Type IIB, ACTR-IIB, ACVR2B, Bone Morphogenetic Protein Receptor Type-2, BMP Type-2 Receptor, BMPR-3, Bone Morphogenetic Protein Receptor Type II, BMP Type II Receptor</p>
Molecular Weight:	41.3 kDa
UniProt:	Q13705
Pathways:	Hormone Transport , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>