

Datasheet for ABIN1095960

ACVR2A Protein (AA 20-134) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ACVR2A
Protein Characteristics:	AA 20-134
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVR2A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Activin Receptor 2A/Activin RIIA/ACVR2A (C-6His)
Sequence:	AILGRSETQE CLFFNANWEK DRTNQTGVPE CYGDKDKRRH CFATWKNISG SIEIVKQGCW LDDINCYDRT DCVEKKDSPE VYFCCCEGNM CNEKFSYFPE MEVTQPTSNP VTPKPVDDHHH HHH
Characteristics:	Recombinant Human Activin Receptor Type-2A/ACVR2A is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ala20-Pro134) of Human ACVR2A 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:	ACVR2A
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Target Details

Abstract:	ACVR2A Products
Sub Type:	Fusionprotein
Background:	<p>Activin Receptor Type-2A is a protein that in humans is encoded by the ACVR2A gene. ACVR2A is an activin type 2 receptor. This gene encodes activin A type II receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling, and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. Type II receptors are considered to be constitutively active kinases.</p> <p>Alternative Names: Activin Receptor Type-2A, Activin Receptor Type IIA, ACTR-IIA, ACTRIIA, ACVR2A, ACVR2</p>
Molecular Weight:	14.35 kDa
UniProt:	P27037

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Liquid
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:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months