

Datasheet for ABIN5608399  
**ACVA Protein (partial)**



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## Overview

Quantity:	25 µg
Target:	ACVA
Protein Characteristics:	partial
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Western Blotting (WB), ELISA

## Product Details

Sequence:	Gly 311 - Ser 426
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human Activin A, Tag Free at 10 µg/mL (100 uL/well) can bind Human ACVR1B, Fc Tag with a linear range of 0.3-2.5 µg/mL (QC tested).

## Target Details

Target:	ACVA
Alternative Name:	Activin A ( <a href="#">ACVA Products</a> )

## Target Details

Background:	Activin and inhibin are two closely related protein complexes that have almost directly opposite biological effects. Activin enhances FSH biosynthesis and secretion, and participates in the regulation of the menstrual cycle. Many other functions have been found to be exerted by activin, including roles in cell proliferation, differentiation, apoptosis, metabolism, homeostasis, immune response, wound repair, and endocrine function. Conversely inhibin down regulates FSH synthesis and inhibits FSH secretion. Activins are nonglycosylated homodimers or heterodimers of various beta subunits (betaA, betaB, betaC, and betaE in mammals), while Inhibins are heterodimers of a unique alpha subunit and one of the beta subunits. Activin A is a widely expressed homodimer of two betaA chains. The betaA subunit can also heterodimerize with a betaB or betaC subunit to form Activin AB and Activin AC, respectively. The 14 kDa mature human betaA chain shares 100 % amino acid sequence identity with bovine, feline, mouse, porcine, and rat betaA.
Molecular Weight:	13 kDa
Gene ID:	3624
UniProt:	<a href="#">P08476</a>
Pathways:	<a href="#">Hormone Transport</a> , <a href="#">Peptide Hormone Metabolism</a>

## Application Details

Application Notes:	This recombinant protein can be used for E, WB.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	0.056 % TFA in 60 % ACN
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C, -80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.