

Datasheet for ABIN7583221

ACVA Protein (AA 311-426) (Biotin,AVI tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ACVA
Protein Characteristics:	AA 311-426
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVA protein is labelled with Biotin,AVI tag.

Product Details

Purpose:	Biotinylated Human Activin A Protein
Sequence:	Gly311-Ser426
Characteristics:	Recombinant Biotinylated Human Activin A Protein is expressed from HEK293 with Avi tag at the C-terminus., It contains Gly311-Ser426.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1 EU per µg by the LAL method.

Target Details

Target:	ACVA
Alternative Name:	Activin A (ACVA Products)

Target Details

Background:	Activin-A, a member of the TGF- β superfamily, Extensive research over the past decades illuminated fundamental roles for activin-A in essential biologic processes, including embryonic development, stem cell maintenance and differentiation, haematopoiesis, cell proliferation and tissue fibrosis. Activin-A signals through two type I and two type II receptors which, upon ligand binding, activate their kinase activity, phosphorylate the SMAD2 and 3 intracellular signaling mediators that form a complex with SMAD4, translocate to the nucleus and activate or silence gene expression.
Molecular Weight:	14.78 kDa. Due to glycosylation, the protein migrates to 15-18 kDa based on Tris-Bis PAGE result.
UniProt:	P08476
Pathways:	Hormone Transport , Peptide Hormone Metabolism

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in 4 mM HCL.
Buffer:	Lyophilized from 0.22 μ m filtered solution in 4 mM HCL. Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months