

Datasheet for ABIN7273796
ACVA Protein (AA 311-426)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ACVA
Protein Characteristics:	AA 311-426
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Human Activin A Protein
Sequence:	Gly311-Ser426
Characteristics:	Recombinant Human Activin A Protein is expressed from HEK293 without tag. It contains Gly311-Ser426.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	ACVA
Alternative Name:	Activin A (ACVA Products)
Background:	Activin-A, a member of the TGF-β superfamily, Extensive research over the past decades

Target Details

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: 12.97 kDa. Due to glycosylation, the protein migrates to 14-15 kDa under reduced (R) condition, and 23-25 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.

UniProt: [P08476](#)

Pathways: [Hormone Transport](#), [Peptide Hormone Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

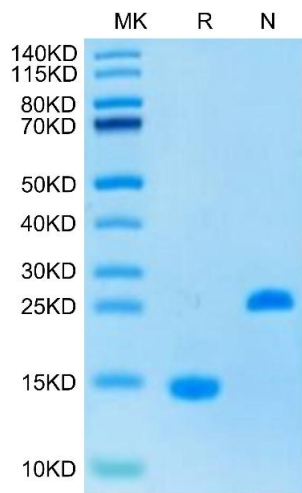
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 4 mM HCl.

Buffer: Lyophilized from 0.22µm 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



SDS-PAGE

Image 1. Human Activin A on Tris-Bis PAGE under reduced (R) condition and Non reducing (N) condition. The purity is greater than 95 % .