

Datasheet for ABIN5676019 **ACVA Protein**



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Overview

Quantity:	10 µg
Target:	ACVA
Origin:	Human
Source:	Hi-5 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	GLECDGKVNI CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS TVINHYMRMG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGCS
Characteristics:	Purified recombinant Human Activin A protein Expression System: Hi-5 cells Bioactivity: The ED50 as determined by its ability to inhibit the proliferation of Mouse MPC-11 cells is ? 2 ng/mL, corresponding to a specific activity of ? 5 x 10 ⁵ units/mg.
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	ACVA
Alternative Name:	Activin A (ACVA Products)
Background:	Activin A is a TGF beta family member that exhibits a wide range of biological activities

Target Details

including regulation of cellular proliferation and differentiation, and promotion of neuronal survival. Elevated levels of Activin A in human colorectal tumors and in post-menopausal woman have been implicated in colorectal and breast cancers, respectively. The biological activities of Activin A can be neutralized by inhibins and by the diffusible TGF beta antagonist, Follistatin.

Alternative Names: Activin beta-A protein, Inhibin beta-A protein

Molecular Weight: 26 kDa

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

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Comment: Manufactured using (BTI-Tn-5B1-4) cells under license from the Boyce Thompson Institute for Plant Research, Inc.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in water to a concentration of 0.5 mg/mL. **Do not vortex.**

Buffer: Lyophilized from 10 mM Citric Acid pH 3.0.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.