

Datasheet for ABIN573783
INHBA Protein (His tag)



[Go to Product page](#)

2 Images

Overview

Quantity:	10 µg
Target:	INHBA
Origin:	Human
Source:	Tobacco (<i>Nicotiana benthamiana</i>)
Protein Type:	Recombinant
Purification tag / Conjugate:	This INHBA protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Characteristics:	<p>Serological Identification: The protein was electrophoresed under reducing condition on a 15 % SDS-polyacrylamide gel, transferred by electroblotting to a NC membrane and visualized by immune-detection with specific antibody Activin A.</p> <p>Molecular formula: C600H911N173O174S13.</p> <p>Isoelectric Point: 7,27.</p> <p>Extinction coefficient: E 0.1 % (1g/L) = 1.27 (A 280 nm).</p> <p>This product contains no animal-derived components or impurities. It is produced by transient expression of TGF-beta2 in non-transgenic plants.</p>
Purification:	Recombinant human TGF-beta2 contains a 6-His-tag at the N-terminal end and is purified by sequential chromatography (FPLC).
Purity:	> 97 % by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
Endotoxin Level:	< 0.04 EU/µg protein (LAL method)

Target Details

Target:	INHBA
Alternative Name:	INHBA (INHBA Products)
Background:	<p>Synonyms: Inhibin beta A chain, Activin beta-A chain, Erythroid differentiation protein</p> <p>Activins are homodimers or heterodimers of the various beta subunit isoforms, belonging to the TGF-beta family. Mature Activin A has two 116 amino acids residues betaA subunits (betaA-betaA). Activin exhibits a wide range of biological activities, including mesoderm induction, neural cell differentiation, bone remodelling, haematopoiesis, and reproductive physiology. Activins plays a key role in the production and regulation of hormones such as FSH, LH, GnRH and ACTH. Cells known to express Activin A include fibroblasts, endothelial cells, hepatocytes, vascular smooth muscle cells, macrophages, keratinocytes, osteoclasts, bone marrow monocytes, prostatic epithelium, neurons, chondrocytes, osteoblasts, Leydig cells, Sertoli cells, and ovarian granulosa cells. As with other members of the super-family, Activins interact with two types of cell surface trans-membrane receptors (Types I and II) which have intrinsic serine/threonine kinase activities in their cytoplasmic domains, Activin type 1 receptors, ACVR1, ACVR1B, ACVR1C and Activin type 2 receptors, ACVR2A, ACVR2B. The biological activity of Activin A can be neutralized by inhibins and by the diffusible TGF-B antagonist, Follistatin.</p>
Molecular Weight:	27.4 kDa
Gene ID:	3624, 147290
UniProt:	P05112
Pathways:	Hormone Transport , Peptide Hormone Metabolism , Hormone Activity , Negative Regulation of Hormone Secretion , Autophagy

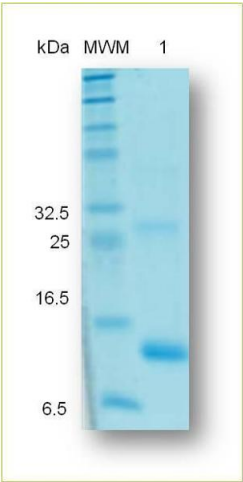
Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Lyophilized protein should be reconstituted in water to a concentration of 50 ng/μL. Due to the protein nature, dimmers and multimers may be observed.
Concentration:	50 ng/μL
Buffer:	Tris HCl 0.05 M buffer at pH 7.4

Handling

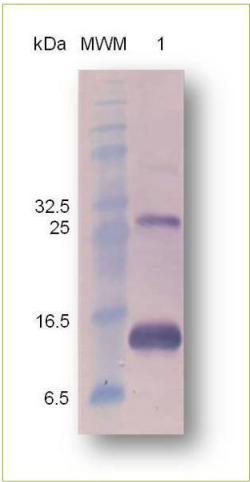
Storage: 4 °C

Images



SDS-PAGE

Image 1. SDS-PAGE analysis of recombinant Activin A. Samples were loaded in 15 % SDS-polyacrylamide gel and stained with Coomassie blue. Lane MWM: Molecular weight marker (kDa), Lane 1: contains 200 ng of recombinant Activin A.



Western Blotting

Image 2. Western Blot analysis of recombinant Activin A. Lane MWM: Molecular weight marker (kDa). Lane 1: 200 ng of Activin A.