

INHBA

Recombinant Human Activin A

Catalog No.	CRA400B	Quantity:	10 µg
Alternate Names:	Inhibin beta A chain, Erythroid differentiation protein, EDF, Activin beta-A chain		
Description:	Activin A is a TGF-β family member that exhibits a wide range of biological activities including regulation of cellular proliferation and differentiation, and promotion of neuronal survival. Elevated levels of Activin A in human colorectal tumors and in postmenopausal women 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-β antagonist, follistatin.		
UniProt ID:	P08476		
Gene ID:	3624		
Source:	Insect cells		
Molecular Weight:	26.0 kDa, disulfide-linked homodimer, 116 aa /subunit		
Formulation:	Lyophilized from 10 mM Sodium citrate, pH 3.0.		
Purity:	> 97% by SDS-PAGE and HPLC analyses		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	ED ₅₀ ≤ 2 ng/ml, determined by the ability to inhibit the proliferation of mouse MPC-11 cells.		
Specific Activity:	> 5 x 10 ⁵ units/mg		
Amino Acid Sequence:	GLECDGKVNICKKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFH STVINHYMRGHSPFANLKSCCVPTKLRPMSMLYYDDGQNIKKDIQNMIVEECGCS		
Reconstitution:	Centrifuge the vial prior to opening. Add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1 -1.0 mg/ml. Do not vortex.		
Storage & Stability:	The lyophilized protein is stable at -20°C to -80° for up to 1 year. Reconstituted working aliquots are stable for 1 week at 2-8°C and for 3 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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