

Recombinant Human Inhibin, Beta A

Cat. No. INHBA-144H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Activin-A also called Activin-Beta A chain in <i>E. Coli</i> is a single monomeric, non-glycosylated, polypeptide chain containing 116 amino acids fragment (311-426) and having an amino-terminal hexa-histidine tag, having a total molecular weight of 17.47 kDa. The Inhibin-Beta A chain is purified by standard chromatographic techniques.
Species	Human
Source	E.coli
Protein Length	311-426 a.a.
Description	Inhibins are dimeric peptide hormones produced by female ovarian granulosa cells and male Sertoli cells as well as a variety of other tissues. Inhibins have two isoforms, A and B, with the same alpha subunit but different beta subunits. Inhibin A is a dimer of alpha and beta A subunits, inhibin B is a dimer of alpha and beta B subunits. Inhibins are thought to inhibit the production of follicle-stimulating hormone (FSH) by the pituitary gland. In addition, Inhibins are also thought to play a role in the control of gametogenesis, and embryonic and fetal development.
Physical Appearance	Sterile Filtered clear solution (0.185 mg/ml).
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

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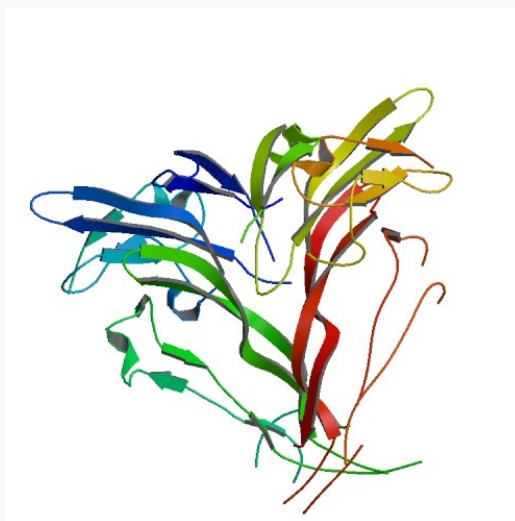
Formulation	Activin-A is supplied in 20 mM Tris pH-8 and 50% glycerol.
Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
GENE INFORMATION	
Gene Name	INHBA inhibin, beta A [Homo sapiens]
Synonyms	Activin beta-A chain, Erythroid differentiation protein, EDF, FRP, FSH-releasing protein, Inhibin, beta-1, erythroid differentiation factor, follicle-stimulating hormone-releasing protein, inhibin beta A, inhibin, beta A, inhibin, beta A (activin A, activin AB alpha polypeptide)
Gene ID	3624
mRNA Refseq	NM_002192
Protein Refseq	NP_002183
MIM	147290
UniProt ID	P08476
Chromosome Location	7p15-p13
Pathway	Cytokine-cytokine receptor interaction; TGF-beta signaling pathway
Function	cytokine activity; follistatin binding; growth factor activity; hormone activity; identical protein binding; protein heterodimerization activity; signal transducer activity

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