

Active Recombinant Human/Mouse/Rat INHBA Protein

Cat. No. INHBA-196H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Mouse/Rat INHBA Protein without tag was expressed in E. coli.
Species	Human/Mouse/Rat
Source	E.coli
Description	<p>Activin A is a member of the transforming growth factor beta (TGF-β) family of proteins and functions to stimulate follicle-stimulating hormone (FSH) secretion. Activins are produced in many tissue types including the skin, gonads, lungs, and pituitary gland. Activins interact with receptor type I and type II serine/threonine protein kinases, to activate SMAD signaling and regulate diverse cellular functions, such as cell proliferation, differentiation, wound healing, apoptosis, and metabolism. Activin A is a homodimer comprised of two activin βA chains. Cleavage of the N-terminal propeptide renders the Activin protein biologically active. Human Activin A shares 100% amino acid sequence identity with mouse, rat, porcine, bovine, and feline Activin A proteins.</p>
Bio-activity	Cytotoxicity of MPC-11 cells, ≤ 10 ng/mL
Molecular Mass	Dimer, 13.1/26.2 kDa (117/234 aa)
AA Sequence	<p>MGLECDGKVNICCKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSL SFHSTVINHYRMRGHSPFANLKSCCVPTKLRPMSMLYYDDGQNIKKDIQNMIVEEC GCS</p>

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Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	INHBA inhibin, beta A [Homo sapiens (human)]
Official Symbol	INHBA
Synonyms	INHBA; inhibin, beta A; inhibin, beta A (activin A, activin AB alpha polypeptide); inhibin beta A chain; Inhibin, beta-1; activin beta-A chain; FSH-releasing protein; erythroid differentiation factor; erythroid differentiation protein; follicle-stimulating

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hormone-releasing protein; EDF; FRP;

Gene ID 3624

mRNA Refseq NM_002192

Protein Refseq NP_002183

MIM 147290

UniProt ID P08476

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