

## Active Recombinant Human/Mouse/Rat INHBA Protein

Cat. No. INHBA-194H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human/Mouse/Rat INHBA Protein without tag was expressed in E. coli.
<b>Species</b>	Human/Mouse/Rat
<b>Source</b>	E.coli
<b>Description</b>	<p>Activin A is a member of the transforming growth factor beta (TGF-<math>\beta</math>) 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 <math>\beta</math>A 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>
<b>Bio-activity</b>	Cytotoxicity of MPC-11 cells, $\leq 10$ ng/mL
<b>Molecular Mass</b>	Dimer, 13.1/26.2 kDa (117/234 aa)
<b>AA Sequence</b>	<p>MGLECDGKVNICCKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSL SFHSTVINHYRMRGHSPFANLKSCCVPTKLRPMSMLYYDDGQNIKKDIQNMIVEEC GCS</p>

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<b>Endotoxin</b>	≤1 EUs/μg, Kinetic LAL
<b>Purity</b>	≥95%, Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	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.
<b>Storage</b>	Storage Prior to Reconstitution: -20 centigrade
<b>Storage Buffer</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>Reconstitution</b>	Sterile water at 0.1 mg/mL
<b>Shipping</b>	Room temperature
<b>Instructions</b>	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

<b>Gene Name</b>	INHBA inhibin, beta A [ Homo sapiens (human) ]
<b>Official Symbol</b>	INHBA
<b>Synonyms</b>	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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