

Active Recombinant Human INHBA Protein (Gly311-Ser426), Animal-free, Carrier-free

Cat. No. INHBA-184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INHBA Protein (Gly311-Ser426) without tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gly311-Ser426
Description	Activin is the member of the TGF beta superfamily of cytokines. The current understanding of Activin A is classified as a hormone, a Growth Factors, and a cytokine. Depending on the different cell type, that overexpression of Activin A can either inhibit or promote cells division. There are important implications for tumor biology. Activin A also increase joint inflammation in rheumatoid arthritis (RA) and induces pathogenic mechanisms in the respiratory system.
Form	Lyophilized
Bio-activity	Measure by its ability to inhibit the proliferation of mouse MPC-11 cells. The ED50 for this effect is < 10 ng/mL. The specific activity of recombinant human Activin A is approximately $>1.0 \times 10^3$ IU/mg.
Molecular Mass	The protein has a calculated MW of 13.1 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

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 hormone-releasing protein; EDF; FRP;
Gene ID	3624

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mRNA Refseq [NM_002192](#)

Protein Refseq [NP_002183](#)

MIM [147290](#)

UniProt ID [P08476](#)

**SDS-PAGE analysis
of recombinant
human Activin A.**

kDa M

75--

60--

45--

35--

25--

15--

10--



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