

Recombinant Human Activin A Reference standard

Cat. No. INHBA-111H Lot. No. (See product label)

SPECIFICATION

Product Overview	This consists of a batch of ampoules containing recombinant DNA-derived human Activin A analysed by international collaborative study.
Species	Human
Enzyme Unit	The assigned potency is 5 U per ampoule where, for the purposes of this preparation 1 U is approximately equivalent to 1 microgram.
Usage	For practical purposes each ampoule contains the same quantity of activin A. The entire content of each ampoule should be completely dissolved in an accurately measured amount of buffer solution. No attempt should be made to weigh out portions of the freeze dried powder. The use of water to reconstitute ampoule contents is not recommended. The material has not been sterilized and the ampoules contain no bacteriostat.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

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Storage

Unopened ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name [INHBA inhibin, beta A \[Homo sapiens \]](#);

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](#)

mRNA Refseq [NM_002192](#)

Protein Refseq [NP_002183](#)

MIM [147290](#)

UniProt ID [P08476](#)

Chromosome Location 7p15-p13

Pathway

ALK1 signaling events, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Glycoprotein hormones, organism-specific biosystem;

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Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem;

Function

cytokine activity; follistatin binding; growth factor activity; hormone activity; identical protein binding; protein binding; protein heterodimerization activity; type II activin receptor binding;

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