

Activin-A Active Protein | INHBA active protein

Recombinant Human Activin-A, Active

CATALOG # AAA38992	HOST E Coli
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PRODUCT SYNONYMS

Activin-A; Recombinant Human Activin-A; Active; Inhba; Inhibin beta A; FSH releasing protein.; INHBA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as observed by SDS-PAGE.
Form/Format	Human Activin-A was lyophilized from a concentrated 1mg/ml protein solution containing 0.1% TFA.
Sequence	MGLECDGKVN ICCKKQFFVS FKDIGWNDWI IAPSGYHANY CECECPSHIA GTSGSSLSFH STVINHYMRM GHSPFANLKS CCVPTKLRPM SMLYDDGQN IIKKDIQNMI VEECGCS
Sequence Length	426
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	Human INHBA protein should be reconstituted in distilled pyrogen free water to a concentration of 100ug /ml which can then be further diluted to other aqueous solutions.
Biological Activity	Biological activity is assessed by the ability to induce cytotoxicity of MPC-11 cells and was found to be 8.8ng/ml corresponding to a specific activity of 1.1×10^5 units/mg.
Preparation and Storage	Lyophilized Activin-A although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Activin-A should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for INHBA active protein	Description: Active form Activin-A Human Recombinant produced in E Coli is a homodimeric, non-glycosylated, polypeptide chain containing 2 x 117 amino acids and having a molecular weight of 26.2kDa. The Active form Activin-A is purified by standard chromatographic techniques. Introduction: Activins are homodimers or heterodimers of the different beta subunit isoforms, part of the TGFbeta family. Mature Activin A has two 116 amino acids residues betaA subunits (betaA-betaA). Activin displays an extensive variety of biological activities, including mesoderm induction, neural cell differentiation, bone remodelling, haematopoiesis, and reproductive physiology. Activins takes part in the production and regulation of hormones such as FSH, LH, GnRH and ACTH. Cells that are identified to express Activin A include fibroblasts, endothelial cells, hepatocytes, vascular smooth muscle cells, macrophages, keratinocytes, osteoclasts, bone marrow monocytes, prostatic epithelium, neurons, chondrocytes, osteoblasts, Leydig cells, Sertoli cells, and ovarian granulosa cells.
Product Categories/Family for INHBA active protein	Cytokines and Growth Factors; Growth Factors; Activin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504699
NCBI GeneID	3624

NCBI Accession #	NP_002183.1
NCBI GenBank Nucleotide #	NM_002192.2
UniProt Accession #	P08476; Q14599
NCBI Official Full Name	inhibin beta A chain
NCBI Official Synonym Full Names	inhibin, beta A
NCBI Official Symbol	INHBA
NCBI Official Synonym Symbols	EDF; FRP
NCBI Protein Information	inhibin beta A chain; FSH-releasing protein; Inhibin, beta-1; activin beta-A chain; erythroid differentiation factor; erythroid differentiation protein; follicle-stimulating hormone-releasing protein; inhibin, beta A (activin A, activin AB alpha polypeptide)
UniProt Protein Name	Inhibin beta A chain
UniProt Gene Name	INHBA
UniProt Synonym Gene Names	EDF
UniProt Entry Name	INHBA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/activin-a/38992>