

Activin A Active Protein

Activin A protein

CATALOG # AAA75456	HOST (BTI-Tn-5B1-4) Hi-5 Insect Cells
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PRODUCT SYNONYMS

Activin A; Activin A protein; Activin beta-A protein; Inhibin beta-A protein; Activin A active protein

PRODUCT SPECIFICATIONS

Host	(BTI-Tn-5B1-4) Hi-5 Insect Cells
Purity/Purification	Greater than 95% by SDS-PAGE gel and HPLC Analyses
Form/Format	Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Citric Acid pH 3.0. Centrifuge before opening. Reconstitute in water to a concentration of 0.1 - 1.0 mg/ml. Do not vortex.
Concentration	10 ?g, lyophilized (varies by lot)
Sequence	RegionofAc tivinprote incorrespo ndingtoami noacidsGLE CDGKVNICK KQFFVSFKDI GWNDWIIAPS GYHANYCEGE CPSHIAGTSG SSLSFHSTVI NHYRMRGHSP FANLKSCCVP TKLRPMSMLY YDDGQNIKK DIQNMIVEEC GCS.
Biological Significance	Activin A is a TGF beta family member that exhibits a wide range of biological activities including regulation of cellular proliferation and differentiation, and promotion of neuronal survival. Elevated levels of Activin A in human colorectal tumors and in post-menopausal woman have been implicated in colorectal and breast cancers, respectively. The biological activities of Activin A can be neutralized by inhibins and by the diffusible TGF beta antagonist, Follistatin.
Bioactivity	biological activity was determined by its ability to inhibit the proliferation of mouse MPC-11 cells. The expected ED ₅₀ is ≤2.0 ng/ml, corresponding to a specific activity of ?5 x 10 ⁵ units/mg.
Grade	Recombinant Human
Endotoxin	Endotoxin level is less than 0.1 ng per ?g (1EU/?g)
Preparation and Storage	Upon receipt store at 4°C short term. Store at -20°C for long term storage. Reconstituted protein is stable at 4°C for up to 1 week. Further dilute in a buffer containing a carrier protein an dstore in working aliquots at -20° to -80°C for up to 12 months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Activin A active protein	Purified recombinant Human Activin A protein
Product Categories/Family for Activin A active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

Molecular Weight	26 kDa
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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.