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32-1003: Activin A HEK-Active Recombinant Protein(Discontinued)

Alternative Name : Inhba,Inhibin beta A,FSH releasing protein.

Description

Source : HEK. Activin-A Human Recombinant produced in HEK cells is a non-glycosylated disulfide-linked homodimer, having a total molecular weight of 25kDa.The Activin-A is purified by proprietary chromatographic techniques. Activins are homodimers or heterodimers of the different ? subunit isoforms, part of the TGF? family. Mature Activin A has two 116 amino acids residues ?A subunits (?A-?A). 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 Info

Amount :	10 µg
Purification :	Greater than 95% as obsereved by SDS-PAGE.
Content :	The Activin-A was lyophilized from 1mg/ml in 1xPBS.
Storage condition :	Lyophilized Activin-A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Activin-A should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized Activin-A in sterile water not less than 100ÂµÂg/ml, which can then be further diluted to other aqueous solutions. The specific activity was determined by the dose-dependent inhibition of proliferation of the MPC-11 cell line (mouse plasmocytoma cell line) and is typically 0.5-5ng/ml.