9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Activin A Human Plant

Activin A Human Recombinant, Plant
GRF0002

Product Overview

Name	Activin A Human Plant
Description	
Activin A Human Recombinant, Plant	
Accession (Primary)	P08476
Synonyms	
Inhba, Inhibin beta A, FSH releasing protein.	
Introduction	
Activins are homodimers or heterodimers of the different ? subunit isoforms, part of the TGF? family. Mature Activin A has two 116 amino acids residues betaA subunits (bA-bA). 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.	
Source	
Nicotiana benthamiana plant	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from 1mg/ml solution in Tris HCl 0.05M buffer at pH 7.4.	
Stability	
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.	
Purity	
Greater than 97.0% as determined by Analysis by SDS-PAGE.	
Amino acid sequence	
HHHHHHGLEC DGKVNICCKK QFFVSFKDIG WNDWIIAPSG YHANYCEGEC PSHIAGTSGS SLSFHSTVIN	

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HYRMRGHSPF ANLKSCCVPT KLRPMSMLYY DDGQNIIKKD IQNMIVEECG CS

Solubility

It is recommended to reconstitute the lyophilized Activin A in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Activin A Human Plant is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P08476)