

Activin A Human

Activin A Human Recombinant
GRF0001

Product Overview

Name Activin A Human

Description

Activin A Human Recombinant

Accession (Primary) [P08476](#)

Synonyms

Inhba, Inhibin beta A, FSH releasing protein.

Introduction

Activins are homodimers or heterodimers of the different α subunit isoforms, part of the TGF β 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 DGKVNICKKK QFFVSFKDIG WNDWIIAPSG YHANYCEGEC PSHIAGTSGS SLSFHSTVIN

HYRMRGHSPF ANLKSCCVPT KLRPMSMLYY DDGQNIKKD IQNMIVEECG CS

Solubility

It is recommended to reconstitute the lyophilized Activin A in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: ([P08476](#))