

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

Inhibin beta B (activin AB beta polypeptide), Inhibin, beta-2, Activin beta-B chain, MGC157939.

Introduction

Inhibins are dimeric peptide hormones produced by female ovarian granulosa cells and male Sertoli cells as well as a variety of other tissues. Inhibins have two isoforms, A and B, with the same alpha subunit but different beta subunits. Inhibin A is a dimer of alpha and beta A subunits, inhibin B is a dimer of alpha and beta B subunits. Inhibins are thought to inhibit the production of follicle-stimulating hormone (FSH) by the pituitary gland. In addition, Inhibins are also thought to play a role in the control of gametogenesis, and embryonic and fetal development.

Source

Nicotiana benthamiana plant

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from 1mg/ml solution in 0.05M Tris-HCl buffer pH 7.4.

Stability

Lyophilized Activin B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Activin B 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

HHHHHHHHHHH GLECDGRTNL CCRQQFFIDF RLIGWNDWII APTGYYGNYS EGSCPAYLAG VPGSASSFHT
AVVNQYRMRG LNPGTVNSCC IPTKLSTMSM LYFDDEYNIV KRDVPNMIVE ECG

Solubility

It is recommended to reconstitute the lyophilized Activin B in sterile 18M-cm H₂O 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](#))