



Activin A, His Tag, human recombinant (rHuActivin-A-His)

Catalog No: 40707
Lot No: XXXXX
Source: *E. coli*
Synonyms: Activin Beta-A chain, Erythroid differentiation protein, EDF, FRP, Activin-A, Inhibin-B, Inhibin-Beta A chain

Background

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.

Description

Activin-A human recombinant also called Inhibin-Beta A chain produced in *E. coli* is a single monomeric, non-glycosylated, polypeptide chain containing 116 amino acids (311-426) and having an N-terminal hexa-histidine tag, having a total molecular weight of 17.47 kDa. Activin-A is purified by standard chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

Activin-A is supplied in 20 mM Tris-HCl, 1 mM EDTA and 50% glycerol.

Stability

Store Inhibin-Beta Alpha chain at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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