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Certificate of Analysis and Data Sheet Recombinant Human Activin-A

Catalog No.
228-10022

Source:
Escherichia coli

Synonyms:

Activin Beta-A chain, Erythroid differentiation protein, EDF, FRP, Activin-A, Inhibin-B, Inhibin-Beta A chain.

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.

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 fragment (311-426) and having an amino-terminal hexa-histidine tag, having a total molecular weight of 17.47 kDa. The Activin-A is purified by standard chromatographic techniques.

Source:

Escherichia Coli.

Physical Appearance:

Sterile Filtered clear solution.

Formulation:

Activin-A is supplied in 20 mM Tris, pH-8 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.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**