
Product Data Sheet

Product Name: Activin A Human
 Cat. No.: GP20004
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Activin Beta-A chain; Erythroid differentiation protein; EDF; FRP; Activin-A; Inhibin-B; Inhibin-Beta A chain.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGLECDGKVN ICCKKQFFVS FKDIGWNDWI IAPSGYHANY CECECP SHIA GTSGSSLSFH STVINHYRMR GHSPFANLKS CCVPTKLRPM SMLYYDDGQN IIKKDIQNMI VEECGCS.		
Formulation	Activin-A protein solution (1mg/ml) contains 20mM Tris pH 8.0 and 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Activin-A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 137 amino acids (311-426) and having a molecular mass of 15.2kDa. Activin-A is fused to a 20 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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