



## Product Datasheet

<b>Product Name</b>	Activin A Human Recombinant
<b>Cata No</b>	CB501303
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Activin Beta-A chain, Erythroid differentiation protein, EDF, FRP, Activin-A, Inhibin-B, Inihibin-Beta A chain.

### Description

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.

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.

### Physical Appearance

Sterile Filtered clear solution.

### Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

### Formulation

Activin-A is supplied in 20mM 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.**