

# Human Activin-A Recombinant Protein



RPPB0001

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## Product Information    Protein Information

**Product SKU:**

RPPB0001

**Accession:**

P08476

**Host:**

E.Coli.

**Protein description:**

Active form Activin-A Human Recombinant produced in e.coli is a homodimeric, non-glycosylated, polypeptide chain containing 2 x 117 amino acids and having a molecular weight of 26.2kDa. The Active form Activin-A is purified by standard chromatographic techniques.

**Appearance:**

Lyophilized freeze dried powder.

**Synonyms:**

Inhba, Inhibin beta A, FSH releasing protein.

**Formulation:**

Human Activin-A was lyophilized from a concentrated 1mg/ml protein solution containing 0.1% TFA.

**Purity:**

Greater than 95% as observed by SDS-PAGE.

**Solubility:**

Human INHBA protein should be reconstituted in distilled pyrogen free water to a concentration of 100ug/ml which can then be further diluted to other aqueous solutions.

**Stability:**

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

**Amino Acid Sequence:**

MGLECDGKVN ICCKKQFFVS FKDIGWNDWI IAPSGYHANY CEGECPSHIA GTSGSSLSFH STVINHYRMR  
GHSPFANLKS CCVPTKLRPM SMLYYDDGQN IIKKDIQNMI VEECGCS.

**Biological Activity:**

Biological activity is assessed by the ability to induce cytotoxicity of MPC-11 cells and was found to be 8.8ng/ml corresponding to a specific activity of 1.1 x 10<sup>5</sup> units/mg.