

Rat Activin-A Recombinant Protein



RPPB0006

Product Information Protein Information

Product SKU:

RPPB0006

Accession:

P18331

Host:

E.Coli.

Protein description:

Active form Activin-A Rat 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:

Rat Activin-A was lyophilized from a concentrated 1mg/ml protein solution containing 0.02% TFA.

Purity:

Greater than 95% as observed by SDS-PAGE.

Solubility:

Rat 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 CECECPSHIA 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 1-1.5 ng/ml corresponding to a specific activity of 666,667-1,000,000 Units/mg.