

Activin-A Human Recombinant, Active

Item Number	rAP-2127
Synonyms	Inhba, Inhibin beta A, FSH releasing 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.
Uniprot Accession Number	P08476
Amino Acid Sequence	MGLECDGKVN ICCKKQFFVS FKDIGWNDWI IAPSGYHANY CECECPSHIA GTSGSSLSFH STVIN-HYRMR GHSPFANLKS CCVPTKLRPM SMLYYDDGQN IIKKDIQNMI VEECGCS.
Source	E.Coli.
Physical Appearance and Stability	Lyophilized freeze dried powder. 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.
Formulation and Purity	Human Activin-A was lyophilized from a concentrated 1mg/ml protein solution containing 0.02% TFA. Greater than 95% as observed by SDS-PAGE.
Application	
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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**