

Activin A Human Recombinant, Plant

Item Number	rAP-2123
Synonyms	Inhba, Inhibin beta A, FSH releasing protein.
Description	Activin A human Recombinant produced in Nicotiana benthamiana plant is a disulfide-linked homodimers of two betaA chains, each containing 116 amino residues (molecular formula C600H911N173O174S13) and 6 -His-tag at the N-terminal having the total molecular mass of 27.4kDa.
Uniprot Accession Number	P08476
Amino Acid Sequence	HHHHHHGLEC DGKVNICKKK QFFVSFKDIG WNDWIIAPSG YHANYCEGEC PSHIAGTSGS SLSFHSTVIN HYRMRGHSPF ANLKSCCVPT KLRPMSMLYY DDGQNIKKD IQNMIVEECG CS
Source	Nicotiana benthamiana plant
Physical Appearance and Stability	Sterile Filtered White 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	Lyophilized from 1mg/ml solution in Tris HCl 0.05M buffer at pH 7.4. Greater than 97.0% as determined by Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Activin A in sterile 18M ² -cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
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**