

Activin-A Human Recombinant, Plant-Active

Item Number	rAP-2130
Synonyms	Inhba, Inhibin beta A, FSH releasing protein.
Description	Active form Activin-A Human Recombinant produced in Plant is a homodimeric, glycosylated, polypeptide chain containing 2 x 116 amino acids and having a molecular weight of 27.4kDa. The Active form Activin-A is fused to a 6-His tag at N-terminus and purified by standard chromatographic techniques.
Uniprot Accession Number	P08476
Amino Acid Sequence	HHHHHHGLECDGKVNICKKQFFVSKDIGWNDWIIAPSGYHANYCEGECPSHIAG-TSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKLRPMSMLYDDGQNIKKDIQNMIVEECGCS.
Source	Nicotiana benthamiana.
Physical Appearance and Stability	Lyophilized freeze dried powder. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Repeated freezing and thawing is not recommended.
Formulation and Purity	Active form Activin-A was lyophilized from a concentrated 1mg/ml protein solution containing 50mM Tris-HCl pH-7.4 Greater than 98% as observed by SDS-PAGE.
Application	
Solubility	INHBA protein should be reconstituted in distilled water to a concentration of 50 ug /ml. Due to the protein nature, dimmers and multimers may be observed.
Biological Activity	The biological activity of INHBA is measured by its ability to inhibit mouse plasmacytoma cell line (MPC-11) cells proliferation (³ H]thymidine incorporation). ED50$5\text{ng/ml}$.
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**