


Human/Mouse/Rat Activin A Protein

Cat #: PRP1042

Size: 20 µg/100 µg/500 µg

Product Information

	Product Name: Human/Mouse/Rat Activin A protein		
REF	Catalog Number: PRP1042	LOT	Lot Number: Refer to product label
	Purity: >97 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Activin A, a member of TGF- β superfamily, is a disulfide-linked dimer protein, which was originally purified from gonadal fluid as protein to stimulate the release of pituitary follicle-stimulating hormone (FSH). Inhibins are involved in regulating many different functions, such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythrocyte differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Many studies have shown that it can play a significant role in inducing islet β cell differentiation under the combined action of other factors. The recombinant Human Activin A has sequence identity with Mouse and Rat Activin A protein.

Sequence: Amino acid sequence derived from Human Activin A (NP_002183.1) (Gly311-Ser426) was expressed.

Protein length: The Human/Mouse/Rat Activin A consists of 116 amino acids and predicts a molecular mass of 13.0 kDa.

Biological Activity: Testing in progress.

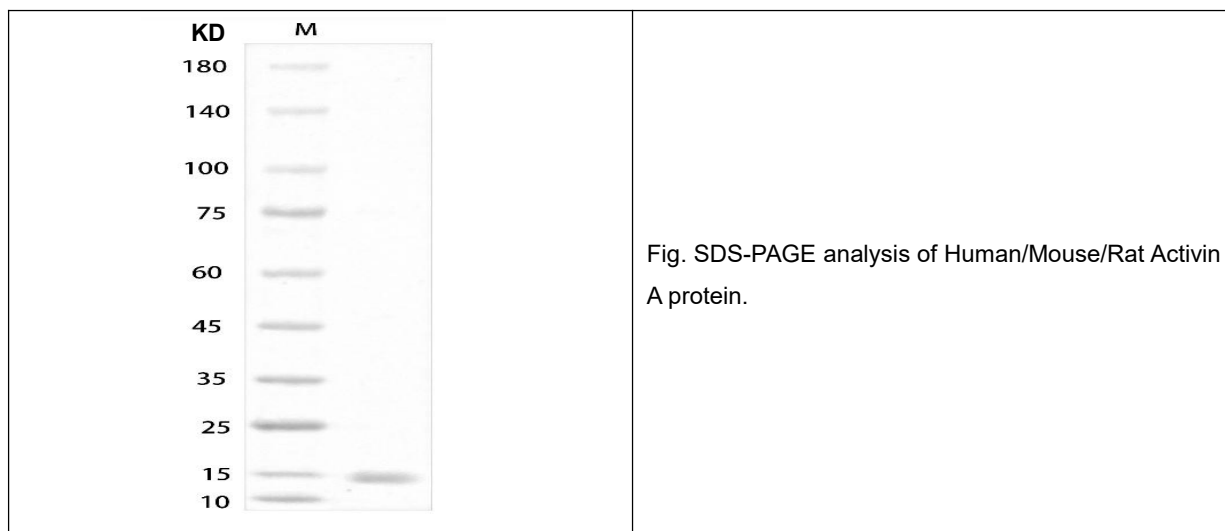
Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20mM Tris, 50mM NaCl, pH 8.0.

Storage Instructions: Lyophilized Human/Mouse/Rat Activin A protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human/Mouse/Rat-Activin A protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to

other aqueous solutions.



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