


Human/Mouse/Rat Activin A Protein (Animal-Free)

Cat #: PRP1088

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human/Mouse/Rat Activin A Protein (Animal-Free)		
REF	Catalog Number: PRP1088	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Activin is the member of the TGF beta superfamily of cytokines. The current understanding of Activin A is classified as a hormone, a Growth Factors, and a cytokine. Depending on the different cell type, that overexpression of Activin A can either inhibit or promote cells division. There are important implications for tumor biology. Activin A also increase joint inflammation in rheumatoid arthritis (RA) and induces pathogenic mechanisms in the respiratory system.

Sequence: Amino acid sequence derived from Human/Mouse/Rat Activin A Protein (Gly311-Ser426) (Human: P08476, Mouse: Q04998, Rat: P18331) was expressed.

Protein length: The recombinant Human/Mouse/Rat Activin A Protein consists of 116 amino acids and predicts a molecular mass of 13.1 kDa.

Biological Activity: Measured by its ability to inhibit the proliferation of mouse MPC-11 cells. The ED₅₀ for this effect is <10 ng/mL.

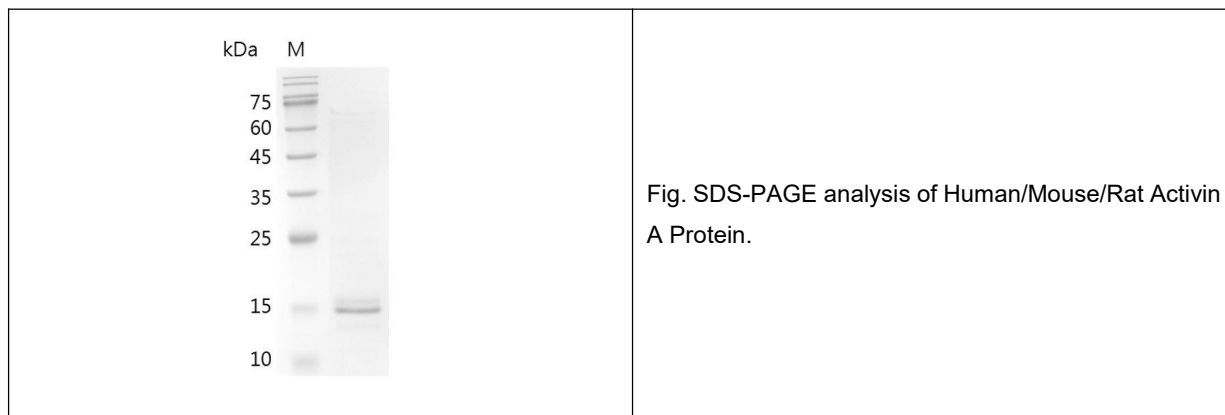
Endotoxin: <0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein 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 (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully

dissolve. Please avoid vortex vigorously.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.