

## Alpha-2-Antiplasmin/Serpin F2 Protein, Rat (HEK293, His)

Cat. No.:	HY-P76721
Synonyms:	Alpha-2-AP; Alpha-2-plasmin inhibitor; Alpha-2-PI; AAP; PLI
Species:	Rat
Source:	HEK293
Accession:	Q68FT8 (M1-K491)
Gene ID:	287527
Molecular Weight:	Approximately 53.6 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>The Alpha-2-Antiplasmin/Serpin F2 Protein is an integral member of the serpin family, highlighting its pivotal role as a serine protease inhibitor. As part of this family, Alpha-2-Antiplasmin/Serpin F2 likely shares conserved structural and functional features with related proteins, emphasizing its involvement in regulating proteolytic activities. The classification within the serpin family underscores its specific designation within the broader context of serine protease inhibitors, offering insights into its unique mechanisms and substrate specificity. The study of Alpha-2-Antiplasmin/Serpin F2 contributes to our understanding of its role in cellular processes related to proteolysis, providing potential applications in therapeutic interventions and a deeper comprehension of its broader impact on cellular processes involved in protein metabolism. Further exploration of Alpha-2-Antiplasmin/Serpin F2's role holds promise for enhancing our knowledge of its contributions to both normal physiology and pathological conditions.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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