

## Serpin A3N Protein, Rat (HEK293, His)

Cat. No.:	HY-P74558
Synonyms:	Serpina3n; Spi2; Serine protease inhibitor A3N; Serpin A3N
Species:	Rat
Source:	HEK293
Accession:	P09006 (T30-K418)
Gene ID:	24795
Molecular Weight:	50-65 kDa

### PROPERTIES

AA Sequence	<pre> T L F H E D Q D K G   T Q L D S L T L A S   I N T D F A F S L Y   K K L A L R N P D K N V V F S P L S I S   A A L A V V S L G A   K G N S M E E I L E   G L K F N L T E T P E T E I H R G F G H   L L Q R L S Q P R D   E I Q I S T G N A L   F I E K R L Q V L A E F Q E K A K A L Y   Q A E A F T A D F Q   Q S R E A K K L I N   D Y V S K Q T Q G K I Q G L I T N L A K   K T S M V L V N Y I   Y F K G K W K V P F   D P R D T F Q S E F Y S G K R R P V K V   P M M K L E D L T T   P Y V R D E E L N C   T V V E L K Y T G N A S A L F I L P D Q   G K M Q Q V E A S L   Q P E T L R R W K D   S L R P S M I D E L Y L P K F S I S A D   Y N L E D V L P E L   G I K E V F S T Q A   D L S G I T G D K D L M V S Q V V H K A   V L D V A E T G T E   A A A A T G V K F V   P M S A K L D P L I I A F D R P F L M I   I S D T E T A I A P   F L A K I F N P K           </pre>
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	The Serpin A3N Protein primarily localizes in the liver. This serine protease inhibitor, belonging to the serpin family, is notably expressed in hepatic tissues. In the liver, Serpin A3N is involved in the regulation of protease activity, acting as an
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inhibitor to modulate enzymatic processes. Its specific localization in the liver underscores its significance in hepatic functions and emphasizes its role in maintaining the balance of proteolytic activities within this vital organ.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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