

Serpin A11 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76060
Synonyms:	Serpin A11; Serpina11; Gm895
Species:	Mouse
Source:	HEK293
Accession:	Q8CIE0 (Q22-G424)
Gene ID:	380780
Molecular Weight:	Approximately 50-70 kDa due to the glycosylation.

PROPERTIES

AA Sequence

Q P F S A H G D K S	L G A S Q P A S H Q	S L E P A P A Y H K	V T P T I T N F A L
R L Y K Q L A E E V	A G N I L F S P V S	L S S S L A L L S L	G A H A D T Q T Q I
L E S L G F N L T E	T P A A D V H R G F	Q S L L H T L D L P	S P K L E L K L G H
S L F L D R Q L K P	Q Q R F L D S A K E	L Y G A L A F S A N	F T E A A A T G Q Q
I N D L V R K Q T Y	G Q V V G C L P E F	S H D T L M V L L N	Y I F F K A K W K H
P F D R Y Q T R K Q	E S F S L D Q R T P	L R I P M M R Q K E	M H R F L Y D Q E A
S C T V L Q I E Y S	G T A L L L L V L P	D P G K M Q Q V E A	A L Q P E T L R R W
G Q R F L P S L L D	L H L P R F S I S A	T Y N L E E I L P L	I G L G N L F D M E
A D L S G I M G Q L	N K T V S R V S H K	A I V D M N E K G T	E A A A A S G L L S
Q P P A L N M T S A	P Q A H Y N R P F L	L L L W E V T T Q S	L L F L G K V V N P
A A G			

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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 ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

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 A11 Protein is an integral member of the serpin family, underscoring its crucial role as a serine protease inhibitor.

As part of this family, Serpin A11 likely shares conserved structural and functional features with related proteins, signifying its involvement in regulating proteolytic activities. The classification within the serpin family emphasizes its specific designation within the broader context of serine protease inhibitors, offering insights into its unique mechanisms and substrate specificity. The study of Serpin A11 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 Serpin A11's role holds promise for enhancing our knowledge of its contributions to both normal physiology and pathological conditions.

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

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