

## Serpin A10 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P71292
<b>Synonyms:</b>	Protein Z-Dependent Protease Inhibitor; PZ-Dependent Protease Inhibitor; PZI; Serpin A10; SERPINA10; ZPI
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q9UK55 (L22-L444)
<b>Gene ID:</b>	51156
<b>Molecular Weight:</b>	55-80 kDa

### PROPERTIES

#### AA Sequence

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

**Appearance** Lyophilized powder.

**Formulation** Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM GaCl<sub>2</sub>, 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 ddH<sub>2</sub>O. 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** Serpin A10 protein functions as an inhibitor of coagulation proteases, specifically factor Xa, in the presence of PROZ,

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calcium, and phospholipids. Moreover, it can inhibit factor XIa even in the absence of cofactors. The protein interacts with PROZ to exert its inhibitory effects on these coagulation factors.

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

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