Serpin H1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71298
Synonyms:	Serpin H1; 47 kDa Heat Shock Protein; Arsenic-Transactivated Protein 3; AsTP3; Cell Proliferation-Inducing Gene 14 Protein; Collagen-Binding Protein; Colligin; Rheumatoid Arthritis-Related Antigen RA-A47; SERPINH1; CBP1; CBP2; HSP47; SERPINH2
Species:	Human
Source:	HEK293
Accession:	P50454 (A19-L418)
Gene ID:	871
Molecular Weight:	Approximately 51.0-53.6 kDa

PROPERTIES

AA Sequence	A E V K K P A A A A A P G T A E K L S P K A A T L A E R S A G L A F S L Y Q A M A K D Q A V E N I L V S P V V V A S S L G L V S L G G K A T T A S Q A K A V L S A E Q L R D E E V H A G L G E L L R S L S N S T A R N V T W K L G S R L Y G P S S V S F A D D F V R S S K Q H Y N C E H S K I N F R D K R S A L Q S I N E W A A Q T T D G K L P E V T K D V E R T D G A L L V N A M F F K P H W D E K F H H K M V D N R G F M V T R S Y T V G V M M M H R T G L Y N Y Y D D E K E K L Q I V E M P L A H K L S S L I I L M P H H V E P L E R L E K L L T K E Q L K I W M G K M Q K K A V A I S L P K G V V E V T H D L Q K H L A G L G L T E A I D K N K A D L S R M S G K K D L Y L A S V F H A T A F E L D T D G N P F D Q D I Y G R E E L R S P K L F Y A D H P F I F L V R D T Q S G S L L F I G R L V R P K G D K M R D E L
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 ddH_2O. 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 from date of receipt. 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 H1 Protein demonstrates a specific affinity for collagen, indicating its role in selectively binding to this

extracellular matrix protein. This interaction suggests that Serpin H1 may play a functional role as a chaperone in the biosynthetic pathway of collagen, potentially contributing to the intricate process of collagen synthesis. By virtue of its specific binding to collagen, Serpin H1 likely participates in regulating collagen-related biological processes, emphasizing its potential importance in maintaining the structural integrity of tissues and modulating cellular responses associated with collagen metabolism.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite F, Monmouth Junction, NJ 08852, USA