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## SERPINA10 Protein (AA 22-444) (His tag)



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Quantity:	50 µg
Target:	SERPINA10
Protein Characteristics:	AA 22-444
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA10 protein is labelled with His tag.

## **Product Details**

Purpose:	Recombinant Human Serpin A10/ZPI (C-6His)		
Sequence:	LAPSPQSPET PAPQNQTSRV VQAPKEEEED EQEASEEKAS EEEKAWLMAS RQQLAKETSN		
	FGFSLLRKIS MRHDGNMVFS PFGMSLAMTG LMLGATGPTE TQIKRGLHLQ ALKPTKPGLL		
	PSLFKGLRET LSRNLELGLT QGSFAFIHKD FDVKETFFNL SKRYFDTECV PMNFRNASQA		
	KRLMNHYINK ETRGKIPKLF DEINPETKLI LVDYILFKGK WLTPFDPVFT EVDTFHLDKY		
	KTIKVPMMYG AGKFASTFDK NFRCHVLKLP YQGNATMLVV LMEKMGDHLA LEDYLTTDLV		
	ETWLRNMKTR NMEVFFPKFK LDQKYEMHEL LRQMGIRRIF SPFADLSELS ATGRNLQVSR		
	VLQRTVIEVD ERGTEAVAGI LSEITAYSMP PVIKVDRPFH FMIYEETSGM LLFLGRVVNP		
	TLLLDHHHHH H		
Characteristics:	Recombinant Human Serpin A10 is produced by our mammalian expression system in human		
	cells. The target protein is expressed with sequence (Leu22-Leu444) of Human SERPINA10		
	fused with a polyhistidine tag at the C-terminus.		
Purity:	> 95 % as determined by reducing SDS-PAGE.		

## **Product Details**

Sterility:	0.2 μm filtered	
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test	
Target Details		
Target:	SERPINA10	
Alternative Name:	Serpin A10 (SERPINA10 Products)	
Background:	Serpin A10 is a secreted protein that belongs to the serpin family. It is predominantly expressed in the liver and secreted in the plasma. Its phosphorylation sites are present in the extracelllular medium. It inhibits factors Xa and XIa of the coagulation cascade in the presence of protein Z, calcium, and phospholipid. Mutations in SERPINA10 are associated with venous thrombosis. Synonyms: Protein Z-Dependent Protease Inhibitor, PZ-Fependent Protease Inhibitor, PZI, Serpin A10, SERPINA10, ZPI	
Molecular Weight:	49.5 kDa	
UniProt:	Q9UK55	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL.  Dissolve the lyophilized protein in ddH20.  Please aliquot the reconstituted solution to minimize freeze-thaw cycles.	
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl,1 mM GaCl2, pH 7.4.	
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.	
Storage:	4 °C/-20 °C/-80 °C	
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  Aliquots of reconstituted samples are stable at < -20°C for 3 months.	