

Recombinant Human SERPINA10, His-tagged

Cat. No. SERPINA10-186H Lot. No. (See product label)

SPECIFICATION

Product Overview 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.

Species Human

Source HEK293

ProteinLength 22-444 a.a.

Description 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 extracellular 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.

AA Sequence

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LAPSPQSPETPAPQNQTSRVVQAPKEEEEDEQEASEEKASEEEKAWLMASRQQLA
KETSNFGFSL LRKISMRHDGNMVFSPFGMSLAMTGLMLGATGPTETQIKRGLHLQA
LKPTKPGLLPSLFKGLRET LSRNLELGLTQGSFAFIHKDFDVKETFFNLSKRYFDTEC
VPMNFRNASQAKRLMNHYINKETR GK IPKLFDEINPETKLILVDYILFKGKWLTPFDP
VFTEVDTFHLDKYKTIKVPMMYGAGKFASTFDK NFRCHVLKLPYQGNATMLVVLME
KMGDHLALEDYLTDDL VETWLRNMKTRNMEVFFPKFKLDQKY EMHELLRQMGIRRI
FSPFADLSELSATGRNLQVSRVLQRTVIEVDERGTEAVAGILSEITAYSMP PVIKVDR
PFHFMIYEETSGMLLFLGRVVNPTLLLDHHHHHH
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
GENE INFORMATION	
Gene Name	SERPINA10 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10 [Homo sapiens]
Official Symbol	SERPINA10
Synonyms	SERPINA10; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10; serine (or cysteine) proteinase inhibitor, clade A (alpha 1 antiproteinase, antitrypsin), member 10; protein Z-dependent protease inhibitor; PZI; ZPI; serpin A10; PZ-dependent protease inhibitor; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10;
Gene ID	51156
mRNA Refseq	NM_001100607
Protein Refseq	NP_001094077
MIM	605271
UniProt ID	Q9UK55
Chromosome Location	14q32.1
Function	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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