Protein Z-Dependent Protease Inhibitor (SERPINA10) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein Z-dependent protease inhibitor (SERPINA10), Recombinant Protein
Full Product Name	Recombinant Human Protein Z-dependent protease inhibitor (SERPINA10)
Product Gene Name	SERPINA10 recombinant protein
Product Synonym Gene Name	SERPINA10
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 TLL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	50,707 Da
Sequence Positions	22-444, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	602455
3D Structure	ModBase 3D Structure for Q9UK55
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SERPINA10 recombinant protein	MBS1283947 is a recombinant protein targeting SERPINA10. Also known as Recombinant Human Protein Z-dependent protease inhibitor (SERPINA10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SERPINA10 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINA10. It may not necessarily be applicable to this product.

NCBI GI #	154759291
NCBI GeneID	51156
NCBI Accession #	NP_001094077.1

UniProt Primary Accession #	Q9UK55
UniProt Secondary Accession #	Q6UWX9; Q86U20; A5Z2A5
UniProt Related Accession #	Q9UK55
GenBank Nucleotide #	NM_001100607.2
NCBI Official Full Name	protein Z-dependent protease inhibitor
NCBI Official Synonym Full Names	serpin family A member 10
NCBI Official Symbol	SERPINA10
NCBI Official Synonym Symbols	PZI; ZPI
UniProt Protein Name	Protein Z-dependent protease inhibitor
UniProt Synonym Protein Names	Serpin A10
Protein Family	Protein Z-dependent protease inhibitor
UniProt Gene Name	SERPINA10
UniProt Synonym Gene Names	ZPI; PZ-dependent protease inhibitor; PZI
NCBI Protein Information	protein Z-dependent protease inhibitor
NCBI Summary for SERPINA10	The protein encoded by this gene belongs to the serpin family. It is predominantly expressed in the liver and secreted in plasma. It inhibits the activity of coagulation factors Xa and XIa in the presence of protein Z, calcium and phospholipid. Mutations in this gene are associated with venous thrombosis. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, May 2010]
UniProt Comments for SERPINA10	Inhibits activity of the coagulation protease factor Xa in the presence of PROZ, calcium and phospholipids. Also inhibits factor XIa in the absence of cofactors.
Research Articles on SERPINA10	**1.** Data suggest oxidized lipid vesicles with phosphatidylserine/polyunsaturated fatty acids promote inactivation of ZPI-PZ complex or free ZPI; binding of PZ-complexed or free ZPI to oxidized vesicles mediates inactivation of ZPI (an inhibitor of FXa); blocking heparin- (anticoagulant-)binding site on ZPI interferes with binding to lipid or PZ. (ZPI = protein Z-dependent protease inhibitor; PZ = protein Z; FXa = factor Xa)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/protein-z-dependent-protease-inhibitor-serpina10/1283947