Thrombin-Like Enzyme Flavoxobin (TLF1) Protobothrops Flavoviridis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thrombin-like enzyme flavoxobin (TLF1), Recombinant Protein
Full Product Name	Recombinant Protobothrops flavoviridis Thrombin-like enzyme flavoxobin (TLF1)
Product Gene Name	TLF1 recombinant protein
Sequence	VIGGDECNIN EHPFLVALYD AWSGRFLCGG TLINPEWVLT AAHCDSKNFK MKLGAHSKKV LNEDEQIRNP KEKFICPNKK NDEVLDKDIM LIKLDSPVSY SEHIAPLSLP SSPPSVGSVC RIMGWGSITP VEETFPDVPH CANINLLDDV ECKPGYPELL PEYRTLCAGV LQGGIDTCGF DSGTPLICNG QFQGIVSYGG HPCGQSRKPG IYTKVFDYNA WIQSIIAGNT AATCLP
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	33.1 kDa
Sequence Positions	25-260. Full Length of Mature 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.
3D Structure	ModBase 3D Structure for P05620
Species	Protobothrops flavoviridis (Habu) (Trimeresurus flavoviridis)
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **technical support team** **or email to** **support@mybiosource.com** for more details.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TLF1 recombinant protein	MBS1018122 is a recombinant protein targeting TLF1. Also known as Recombinant Protobothrops flavoviridis Thrombin-like enzyme flavoxobin (TLF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TLF1 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 TLF1. It may not necessarily be applicable to this product.

NCBI GI #	3915685

NCBI Accession #	P05620.2
UniProt Primary Accession #	P05620
UniProt Secondary Accession #	O13056
NCBI Official Full Name	Thrombin-like enzyme flavoxobin
UniProt Protein Name	Thrombin-like enzyme flavoxobin
UniProt Synonym Protein Names	Fibrinogen-clotting enzyme; Habutobin; Snake venom serine protease 1; SVSP
Protein Family	Thrombin-like enzyme flavoxobin
UniProt Gene Name	TLF1
UniProt Synonym Gene Names	SVTLE; SVSP
UniProt Comments for TLF1	Thrombin-like snake venom serine protease that clots fibrinogen (FGA) by releasing fibrinopeptide A. According to PubMed:8585090, only cleaves rabbit fibrinogen, whereas no specificity is described in PubMed:3910643 (tests done on bovine fibrinogen). Also acts as a C3 convertase that independently cleaves human C3 and kick-starts the complement cascade. Also increases urokinase-type plasminogen activator (PLAU) and plasminogen activator inhibitor (SERPINE1) in cultured bovine pulmonary artery endothelial cells. Dose-dependently inhibits collagen-induced platelet aggregation.
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.
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