Phospholipase A2-3 (svPLA2) Bothrops Pirajai Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phospholipase A2-3 (svPLA2), Recombinant Protein
Full Product Name	Recombinant Bothrops pirajai Phospholipase A2-3
Product Gene Name	svPLA2 recombinant protein
Sequence	DLWQFGQMIL KETGKLPFPY YTYGGCYCGV GGRRGLGTKD DRCCYVHDCC YKKLTGCPKT DDRYSYSWLD LTIVCGEDDP CKELCECDKA IAVCFRENLG TYNKKYRYHL KPCKKADKPC
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	13,834 Da
Sequence Positions	1-120, 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.
3D Structure	ModBase 3D Structure for P58464
Species	Bothrops pirajai (Piraja's lance head)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for svPLA2 recombinant protein	MBS1013944 is a recombinant protein targeting svPLA2. Also known as Recombinant Bothrops pirajai Phospholipase A2-3. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of svPLA2 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 svPLA2. It may not necessarily be applicable to this product.

NCBI GI #	17865540
NCBI Accession #	P58464.1
UniProt Primary Accession #	P58464
NCBI Official Full Name	Basic phospholipase A2 piratoxin-3
UniProt Protein Name	Basic phospholipase A2 piratoxin-3
UniProt Synonym Protein Names	MP-III 4R; Phosphatidylcholine 2-acylhydrolase; Piratoxin-III; PrTX-III
Protein Family	Phospholipase

UniProt Gene Name	svPLA2
UniProt Synonym Gene Names	PrTX-III
UniProt Comments for svPLA2	Snake venom phospholipase A2 (PLA2) that has moderate enzymatic activity but a strong myotoxic activity. Also has anticoagulant activity. PLA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides.
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