Sphingomyelin Phosphodiesterase D Larsictox-Alphai-1 (PLD) Loxosceles Arizonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sphingomyelin phosphodiesterase D LarSicTox-alphaI-1 (PLD), Recombinant Protein
Full Product Name	Recombinant Loxosceles arizonica Sphingomyelin phosphodiesterase D LarSicTox-alphaI-1
Product Gene Name	PLD recombinant protein
Sequence	NNGGRAYIVL SIPNLAHYQL ITGFKETLKN KGHPELMDKV GHDFSGNDNI DQVEKAYKKA GVTGHVWQSD GITNCIASFI RGLDRAKKAV ANRDSSNGFI NKVYYWTVDK YATTREALDA GVDGIMTNYP DVVANVLSES AYKAKFRIAT YDDNPWETFK N
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	17,957 Da
Sequence Positions	1-161, 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 Q7Z1N0
Species	Loxosceles arizonica (Arizona brown spider)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PLD recombinant protein	MBS1347023 is a recombinant protein targeting PLD. Also known as Recombinant Loxosceles arizonica Sphingomyelin phosphodiesterase D LarSicTox-alphaI-1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PLD 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 PLD. It may not necessarily be applicable to this product.

NCBI GI #	75013030
NCBI Accession #	Q7Z1N0.1
UniProt Primary Accession #	Q7Z1N0
NCBI Official Full Name	Phospholipase D LarSicTox-alphaI-1
UniProt Protein Name	Phospholipase D LarSicTox-alphaI-1
UniProt Synonym Protein Names	Dermonecrotic toxin; Sphingomyelin phosphodiesterase D; SMD; SMase D; Sphingomyelinase D

Protein Family	Phospholipase
UniProt Gene Name	PLD
UniProt Synonym Gene Names	SMD; SMase D; Sphingomyelinase D
UniProt Comments for PLD	Catalyzes the hydrolysis of sphingomyelin. May also act on other phosphatidyl esters. Induces complement-dependent hemolysis, dermonecrosis, blood vessel permeability and platelet aggregation ().
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