Phosphate Acyltransferase (plsX) Chromobacterium Violaceum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate acyltransferase (plsX), Recombinant Protein
Full Product Name	Recombinant Chromobacterium violaceum Phosphate acyltransferase (plsX)
Product Gene Name	plsX recombinant protein
Product Synonym Gene Name	plsX; CV_3417
Product Synonym Names	Phosphate acyltransferase; EC=2.3.1.n2; Acyl-ACP phosphotransacylase; Acyl-[acyl-carrier-protein]--phosphate acyltransferase; Phosphate-acyl-ACP acyltransferase
Sequence	MTITVAVDAM GGDVGLKVTV PASIQFLQDH PDTHLILVGD QPALEAELAL HDGAVRERIL IQHATQVVGM DEAPQLALKN KKDSSMRVAI NLVKEGKAQA AVSAGNTGAL MATARFVLKT IPGIDRPAIA KLLPNVKGTS CVLDLGANVD CTPEQLLQFG IMGSELMACL QGKANPSVGL LNIGSEDIKG NDNIKKTAEL LRQSELHFYG NVEGDDICKG TTDVVVCDGF TGNVALKTAE GLAHMFAVFL REEFGRSWWT RLCALAALPV LALFKKRIDP RRYNGASLLG LRGIVVKSHG SADVTGFRYA LAQACEEAGS DVIAHIADRV AKQLDNLKQS EAEAN
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	36,730 Da
Sequence Positions	1-345aa; 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 Q7NSK6
Species	Chromobacterium violaceum (strain 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / 9757)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for plsX recombinant protein	MBS1387398 is a recombinant protein targeting plsX. Also known as Recombinant Chromobacterium violaceum Phosphate acyltransferase (plsX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of plsX 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 plsX. It may not necessarily be applicable to this product.

NCBI GI #	34498872
NCBI GeneID	2548476
NCBI Accession #	NP_903087.1

UniProt Primary Accession #	Q7NSK6
UniProt Related Accession #	Q7NSK6
GenBank Nucleotide #	NC_005085.1
NCBI Official Full Name	glycerol-3-phosphate acyltransferase PlsX
NCBI Official Symbol	plsX
UniProt Protein Name	Phosphate acyltransferase
UniProt Synonym Protein Names	Acyl-ACP phosphotransacylase; Acyl-[acyl-carrier-protein]--phosphate acyltransferase; Phosphate-acyl-ACP acyltransferase
Protein Family	Phosphate acyltransferase
UniProt Gene Name	plsX
UniProt Entry Name	PLSX_CHRVO
NCBI Protein Information	glycerol-3-phosphate acyltransferase PlsX
UniProt Comments for plsX	Catalyzes the reversible formation of acyl-phosphate (acyl-PO4) from acyl-[acyl-carrier-protein] (acyl-ACP). This enzyme utilizes acyl-ACP as fatty acyl donor, but not acyl-CoA.
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