Phosphate Acyltransferase (plsX) Streptococcus Mutans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate acyltransferase (plsX), Recombinant Protein
Full Product Name	Recombinant Streptococcus mutans Phosphate acyltransferase (plsX)
Product Gene Name	plsX recombinant protein
Product Synonym Gene Name	plsX
Sequence	MKKIAVDAMG GDNAPQAIVE GVNQALADFS DIEIQLYGDE AKIKTYLKAN DRVSIIHTDE KINSDDEPVK AIRKKKQASM VLGAQAVKDG KADAVLSAGN TGALLAAGLL VVGRIKNIDR PGLMSSLPTI DGKGFNMLDL GANAENTAHH LHQYAILGSF YAKNVRGVAH PRIGLLNNGT ETTKGDPLRK ETFALLAADE TLNFIGNVEA RDLMNSVADV VVTDGFTGNA VLKSIEGTAL GIMEQLKTSI KQAGLRAKLG ALLLKNSLYD LKDSLDYSGA GGAVLFGLKA PVVKCHGSSD AKSVYYTIKQ IRIMLETDVV GQLVEEFSNR GD
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	35,294 Da
Sequence Positions	1-332, 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 Q8DWL9
Species	Streptococcus mutans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for plsX recombinant protein	MBS1387126 is a recombinant protein targeting plsX. Also known as Recombinant Streptococcus mutans 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 #	24378554
NCBI GeneID	1029612
NCBI Accession #	NP_720509.1
UniProt Primary Accession #	Q8DWL9
UniProt Related Accession #	Q8DWL9

GenBank Nucleotide #	NC_004350.2
NCBI Official Full Name	phosphate acyltransferase
NCBI Official Symbol	plsX
UniProt Protein Name	Phosphate acyltransferase
UniProt Synonym Protein Names	Acyl-ACP phosphotransacylase
Protein Family	Phosphate acyltransferase
UniProt Gene Name	plsX
NCBI Protein Information	phosphate acyltransferase
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.
Research Articles on plsX	**1.** These results indicate that the loss of plsX affects both the fatty acid synthesis pathway and the acid-adaptive response of Streptococcus mutans.
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