Phosphate Acyltransferase (plsX) Shewanella Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphate acyltransferase (plsX), Recombinant Protein
Full Product Name	Recombinant Shewanella denitrificans Phosphate acyltransferase (plsX)
Product Gene Name	plsX recombinant protein
Product Synonym Gene Name	plsX
Sequence	MTTDLTLALD AMGGDHGPHV TVPAALQALK FHSQLKIILV GDKTEIERHL QHSAGIFLSR IQIIHTTEVV NMCDRPVLAL RTKKNSSMRL ALELVRDGKA QACVSAGNTG ALMAMAKVLL KTLPGVDRPA LVSSLPSMTG RPVYLLDLGA NVSCDSEALF QFAVMGSVLY EVVHKTSRPK VALLNVGVEE VKGNDQVQQA AQLLHHTEQV NYTGFVEGDE IYTGNVDVIV CDGFVGNITL KTSEGIAKLL VSELKRGLNQ GLFVRFLSKL IAPRIHAVLS KMNPDHYNGA SLIGLRGIVV KSHGNADEAA YLQAVNLAVT EAKRRLPEMI KDRLESILLD INS
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	37,123 Da
Sequence Positions	1-343, 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 Q12LV0
Species	Shewanella denitrificans (strain OS217 / BAA-1090 / DSM 15013)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for plsX recombinant protein	MBS1351758 is a recombinant protein targeting plsX. Also known as Recombinant Shewanella denitrificans 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 #	499815993
NCBI Accession #	WP_011496727.1
UniProt Primary Accession #	Q12LV0
GenBank Nucleotide #	WP_011496727.1
NCBI Official Full Name	phosphate acyltransferase

UniProt Protein Name	Phosphate acyltransferase
UniProt Synonym Protein Names	Acyl-ACP phosphotransacylase
Protein Family	Phosphate acyltransferase
UniProt Gene Name	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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