# Phosphate Acyltransferase (plsX) Pseudomonas Putida Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosphate acyltransferase (plsX), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas putida Phosphate acyltransferase (plsX) |
| **Product Gene Name** | plsX recombinant protein |
| **Product Synonym Gene Name** | plsX |
| **Sequence** | MSAQVIAIDA MGGDFGPRSI VQASIACLSA TPSLHLTLVG QPSLLEDLIS GLPAADRARL QVVAASEVVG MDERPSQALR GKPDSSMRIA LELVRDGKAQ ACVSAGNTGA LMALSRFVLK TLPGIDRPAM VAAIPTQTGY CQLLDLGANV DCSAENLYQF AVMGSVAAQA LGVHRPRVAL LNIGTEDIKG NQQVKLAATL LQSARGLNYV GFVEGDGLYR GEADVVVCDG FVGNILLKSS EGLATMIGAR IEKLFKGGAF ARVAGAVAMP LLKRLQADLA PARHNGASFL GLQGIVIKSH GSAGVQGFQS AIQRALIEIQ ENLPQRLHGR LEDLLP |
| **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** | 35,094 Da |
| **Sequence Positions** | 1-336, 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 Q88LL8 |
| **Species** | Pseudomonas putida (strain KT2440) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for plsX recombinant protein** | MBS1428179 is a recombinant protein targeting plsX. Also known as Recombinant Pseudomonas putida 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.

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| **NCBI GI #** | 26988641 |
| **NCBI GeneID** | 1043165 |
| **NCBI Accession #** | NP_744066.1 |
| **UniProt Primary Accession #** | Q88LL8 |
| **UniProt Related Accession #** | Q88LL8 |

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| **GenBank Nucleotide #** | NC_002947.4 |
| **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. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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