# Phosphate Acyltransferase (plsX) Brucella Abortus Biovar 1 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Phosphate acyltransferase (plsX), Recombinant Protein |
| **Full Product Name** | Recombinant Brucella abortus biovar 1 Phosphate acyltransferase (plsX) |
| **Product Gene Name** | plsX recombinant protein |
| **Product Synonym Gene Name** | plsX |
| **Sequence** | MIKISIDAMG GDFGPEVVIP GAAKAFERHP DIRFIFFGLP AQVEPVLARY PKLKEASEFR ASEVAIGMDD KPSQALRAGR GKSSMWQAIE AVKTGDADAC VSAGNTGALM AMSKFCLRMM SDVERPAIAG IWPTLRGESI VLDIGATIGA DARQLVDYAV MGAGMARALF EVRKPTVGLL NVGTEEVKGL DEIKEAGQIL RDTPLDGLEY SGFVEGNDIG KGTVDVVVTE GFTGNIALKT AEGTARQMAE LLRQAMSRTL LAKIGYVFAK GAFDRLREKM DPNKVNGGVF LGLSGIVIKS HGGANAEGFC SAVEVGYDMV RNRLLEKIEA DLAHFHHSHS HVSSKA |
| **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** | 36,970 Da |
| **Sequence Positions** | 1-346, Full length |
| **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 Q57DX5 |
| **Species** | Brucella abortus biovar 1 (strain 9-941) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for plsX recombinant protein** | MBS1355357 is a recombinant protein targeting plsX. Also known as Recombinant Brucella abortus biovar 1 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 #** | 489053728 |
| **NCBI Accession #** | WP_002963912.1 |
| **UniProt Primary Accession #** | Q57DX5 |
| **GenBank Nucleotide #** | WP_002963912.1 |
| **NCBI Official Full Name** | MULTISPECIES: phosphate acyltransferase |

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| **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. |
| **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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