Phospholipase D Z (pldZ) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phospholipase D Z (pldZ), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum Phospholipase D Z (pldZ)
Product Gene Name	pldZ recombinant protein
Product Synonym Gene Name	pldZ
Sequence	IRINNDNGLS FQSNCLGGSI QIAESIPLAL NLQSNLSTHD AWMELITNAK KSIDMGIFYM TLTDGGQLDP VYGGQLGLDI YKALVDANSR GVSIRIVQNQ PSSSMPDTDT QNLAKLGVQV RSINWPSLVG AGILHTKVIV VDQVSAYLGS ANLDWRSLAQ VKELGVLFQN CPSMVSDTEI AFQQYWDAAV VTELPSDWGV QYQAAYNQTN MASLLLNGNE KFEMFLAVSP PQFVSTDRTG DIDALVSAMN GATKTICISV MDYIPASLYN SPNTFWPVMD NALRAAAYNR GVQVRMLISH WNHTNYAIPQ WLHSLDQVNN IDVRWFVVPD FPNEPQVPFT RVNHAKYMVT DEQSYVGTSN WSEDYYTNTG GLSYNIYNDE FTSQLQSIFD RDWNSPYSFP VTTY
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	47,101 Da
Sequence Positions	19-422, 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 Q54SA1
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pldZ recombinant protein	MBS1357530 is a recombinant protein targeting pldZ. Also known as Recombinant Dictyostelium discoideum Phospholipase D Z (pldZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pldZ 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 pldZ. It may not necessarily be applicable to this product.

NCBI GI #	66811918
NCBI GeneID	8623675
NCBI Accession #	XP_640138.1
UniProt Primary Accession #	Q54SA1

GenBank Nucleotide #	XM_635046.1
NCBI Official Full Name	phospholipase D3
NCBI Official Symbol	pldZ
UniProt Protein Name	Phospholipase D Z
UniProt Synonym Protein Names	Phosphatase D3; PLD 3
Protein Family	Phospholipase
UniProt Gene Name	pldZ
UniProt Synonym Gene Names	pld3; PLD 3
NCBI Protein Information	phospholipase D3
UniProt Comments for pldZ	Hydrolyzes membrane phospholipids, such as PtdCho (phosphatidylcholine), producing the free headgroup and PtdOH (phosphatidic acid; signaling molecule on its own).
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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