1-Phosphatidylinositol 4,5-Bisphosphate Phosphodiesterase Delta-1 (PLCD1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (Plcd1), Recombinant Protein
Full Product Name	Recombinant Mouse 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (Plcd1)
Product Gene Name	Plcd1 recombinant protein
Product Synonym Gene Name	Plcd1
Sequence	MDSGRDFLTL HGLQDDPDLQ ALLKGSQLLK VKSSSWRRER FYKLQEDCKT IWQESRKVMR SPESQLFSIE DIQEVRMGHR TEGLEKFARD IPEDRCFSIV FKDQRNTLDL IAPSPADVQH WVQGLRKIID RSGSMDQRQK LQHWIHSCLR KADKNKDNKM NFKEVKDFLK ELNVQVDDSY ARKIFRECDH SQTDSLEDEE IETFYRMLTQ RAEIDRAFAE AAGSAETLSV EKLVTFLQHQ QREEEAGPAL ALSLIERYEP SETAKAQRQM TKDGFLMYLL SADGNAFSLA HRRVYQDMNQ PLSHYLVSSS HNTYLLEDQL TGPSSTEAYI RALCKGCRCL ELDCWDGPNQ EPIIYHGYTF TSKILFCDVL RAIRDYAFKA SPYPVILSLE NHCSLEQQRV MAHHLRAILG PMLLDQPLDG VTTSLPSPEQ LKEKILLKGK KLGGLLPAGG ENGPEATDVS DEDEAAEMED EAVRSQVQHK PKEDKLKLVP ELSDMVIYCK SVHFGGFSSP STSGQAFYEM ASFSESRALR LLQESGNSFV RHNVGHLSRI YPAGWRTDSS NYSPVEMWNG GCQIVALNFQ TPGPEMDVYL GCFQDNGGCG YVLKPAFLRD PDTTFNSRAL TQGPWWAPKK LRVWIISGQQ LPKVNKNKNS IVDPKVIVEI HGVGQDVASR QTAVITNNGF NPRWDTEFEF VVAVPDLALV RFMVEDYDSS SKNDFIGQST IPWNSLKQGY RHVHLLSKNG DLHPSATLFV KISIQD
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	85,873 Da
Sequence Positions	1-756aa; Full Length of Mature 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 Q8R3B1
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Plcd1 recombinant protein	MBS1477193 is a recombinant protein targeting Plcd1. Also known as Recombinant Mouse 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (Plcd1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Plcd1 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 Plcd1. It may not necessarily be applicable to this product.

NCBI GI #	652698221
NCBI GeneID	18799
NCBI Accession #	NP_001280577.1
UniProt Primary Accession #	Q8R3B1
UniProt Secondary Accession #	Q9Z1B4
UniProt Related Accession #	Q8R3B1
GenBank Nucleotide #	NM_001293648.1
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 isoform 1
NCBI Official Synonym Full Names	phospholipase C, delta 1
NCBI Official Symbol	Plcd1
NCBI Official Synonym Symbols	C79986; AW212592
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1
UniProt Synonym Protein Names	Phosphoinositide phospholipase C-delta-1; Phospholipase C-delta-1; PLC-delta-1
Protein Family	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase
UniProt Gene Name	Plcd1
UniProt Synonym Gene Names	Plcd; PLC-delta-1
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1
UniProt Comments for Plcd1	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. Essential for trophoblast and placental development.
Research Articles on Plcd1	**1.** PLCd1 negatively regulates lipopolysaccharide-induced production of IL-1b and Fc gamma receptor-mediated phagocytosis in macrophages.
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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