Cardiolipin Synthase (Cls) (PC1_1991) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cardiolipin synthase (cls) (PC1_1991), Recombinant Protein
Full Product Name	Recombinant Pectobacterium carotovorum subsp. carotovorum Cardiolipin synthase (cls)
Product Gene Name	PC1_1991 recombinant protein
Product Synonym Gene Name	cls
Product Synonym Names	Recombinant Cardiolipin synthase (cls); Cardiolipin synthase; CL synthase EC= 2.7.8.-
Sequence	MSTFYTVISW LLVFGYWLLI AGVTLRILMK RRAVPSAMAW LLVIYILPLV GIVAYLSFGE LHLGKRRAER ASKMWPSTAK WLRELKEYRR IFATENSEVA SALFQLCERR QGVGGVKGNQ LQLMTTFDDT IKALLRDIEL ARSNIEMVFY IWQPGGLVEQ VSSSLIAAAR RGVHCRILLD SAGSVQFFRQ HHPELMRTAG IEVVEALKVN LFRAFLRRMD LRQHRKIILI DNRIAYTGSM NMVDPRFFKQ DAGVGQWIDL MARIEGPVAT TLGIIYCCDW EMETGKRLLP PPPDVNVMPF EQESGHTIQV IASGPGYPEE MIHQALLTSV YSARKQLIMT TPYFVPSDDL LHAICTAAQR GVDVSIIVPH KNDSVLVGWA SRAFFTELLA AGVKIYQFKD GLLHTKSVLV DGQLSLVGTV NLDMRSLWLN FEITLVIDDA GFGSDLACVQ EDYIARSRLL NATQWQNRPY WQRIVERLFY FFSPLL
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	55,222 Da
Sequence Positions	1-486
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.
Chromosome Location	NC_012917.1 (2287994..2289454, complement)
3D Structure	ModBase 3D Structure for C6DGY3
Species	Pectobacterium carotovorum subsp. carotovorum (strain PC1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PC1_1991 recombinant protein	MBS1251159 is a recombinant protein targeting PC1_1991. Also known as Recombinant Pectobacterium carotovorum subsp. carotovorum Cardiolipin synthase (cls). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PC1_1991 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 PC1_1991. It may not necessarily be applicable to this product.

NCBI GI #	253688378

NCBI GeneID	8132935
NCBI Accession #	YP_003017568.1
UniProt Primary Accession #	C6DGY3
UniProt Related Accession #	C6DGY3
GenBank Nucleotide #	NC_012917.1
NCBI Official Full Name	phospholipase D/transphosphatidylase
NCBI Official Symbol	PC1_1991
UniProt Protein Name	Cardiolipin synthase
UniProt Gene Name	cls
UniProt Synonym Gene Names	CL synthase
UniProt Entry Name	CLS_PECCP
NCBI Protein Information	phospholipase D/transphosphatidylase
UniProt Comments for PC1_1991	Function: Catalyzes the reversible phosphatidyl group transfer from one phosphatidylglycerol molecule to another to form cardiolipin (CL) (diphosphatidylglycerol) and glycerol By similarity. HAMAP-Rule MF_00190 Catalytic activity: 2 Phosphatidylglycerol = diphosphatidylglycerol + glycerol. HAMAP-Rule MF_00190 Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_00190. Sequence similarities: Belongs to the phospholipase D family. Cardiolipin synthase subfamily.Contains 2 PLD phosphodiesterase domains.
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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