Digeranylgeranylglycerophospholipid Reductase (Ma_1484) (MA_1484) Methanosarcina Acetivorans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Digeranylgeranylglycerophospholipid reductase (MA_1484), Recombinant Protein
Full Product Name	Recombinant Methanosarcina acetivorans Digeranylgeranylglycerophospholipid reductase (MA_1484)
Product Gene Name	MA_1484 recombinant protein
Product Synonym Gene Name	MA_1484
Sequence	MKDIYDVLVI GAGPAGSIAA KTAAEKGLDV LLIEKRQEIG DPVRCAEGVN KEYLKKHVEI DNSWICADLK GSRIYSPNGT KVEMAEEISG GEVGYVLERK IFDRALAEHA AKAGAEVRVK TRATGLIIED DFVKGARLMN LGKEYEVRAK IVIGADGVES KVGRWAGIDT SLKPIDIETC AQYLIAGADI DPEYCEFYIG NEIAPGGYVW IFPKGEGKAN VGVGILGNRT GKFKPRPVDY LNNFVEKKFP NAKIVEMVFG GVPVSGSIEK TSVNGLMLVG DAARQSDPIT GGGILNAMDA GKIAGEAAYE AISSGDVSLE KLEEVYEKRW RETTGHDIDM SLIVKNCFIN LKDEDLDSLA DSLKEVKFES MRLFDLLQAL FKANKKLLWD LRVLFKDAAK EVMKNRT
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	44,503 Da
Sequence Positions	1-407, 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 Q8TQQ6
Species	Methanosarcina acetivorans (strain 35395 / DSM 2834 / JCM 12185 / C2A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MA_1484 recombinant protein	MBS1324520 is a recombinant protein targeting MA_1484. Also known as Recombinant Methanosarcina acetivorans Digeranylgeranylglycerophospholipid reductase (MA_1484). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MA_1484 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 MA_1484. It may not necessarily be applicable to this product.

NCBI GI #	499331006
NCBI Accession #	WP_011021498.1

UniProt Primary Accession #	Q8TQQ6
GenBank Nucleotide #	WP_011021498.1
NCBI Official Full Name	digeranylgeranylglycerophospholipid reductase
UniProt Protein Name	Digeranylgeranylglycerophospholipid reductase
UniProt Synonym Protein Names	2,3-bis-O-geranylgeranylglyceryl phosphate reductase
Protein Family	Digeranylgeranylglycerophospholipid reductase
UniProt Gene Name	MA_1484
UniProt Synonym Gene Names	DGGGPL reductase; GGR
UniProt Comments for MA_1484	Is involved in the reduction of 2,3-digeranylgeranylglycerophospholipids (unsaturated archaeols) into 2,3-diphytanylglycerophospholipids (saturated archaeols) in the biosynthesis of archaeal membrane lipids. Catalyzes the formation of archaetidic acid (2,3-di-O-phytanyl-sn-glyceryl phosphate) from 2,3-di-O-geranylgeranylglyceryl phosphate (DGGGP) via the hydrogenation of each double bond of the isoprenoid chains.
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