Digeranylgeranylglycerophospholipid Reductase (PTO0896) Picrophilus Torridus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Digeranylgeranylglycerophospholipid reductase (PTO0896), Recombinant Protein
Full Product Name	Recombinant Picrophilus torridus Digeranylgeranylglycerophospholipid reductase (PTO0896)
Product Gene Name	PTO0896 recombinant protein
Product Synonym Gene Name	PTO0896
Sequence	MEVNYDVLVI GAGPAGSSAA RFAARKGLKT LLIEKRPDIG SPVRCGEGVS KSWMPEVELK PEDHWISDEV KGARIYGPSE KKPIMLTAEN AGNEVGYVVE RDKFDKHIAA LAASEGADVW VKSPALSVIK DGNRIVGAKV RHNSEIVDVR AKMVIAADGF ESEFGRWAGL KSLILAKNDI ISCVEYRMIN VDSDEDYTDF YLGSCAPAGY IWVFPKGKHE ANVGIGVTIS KMRDRFDVKN YLDAFIKSHP GYSKGKTIQL ITGGVSVSKV RDKFTLPGLL TVGDAARLID PITGGGIANG MISGKYAAEV SKKAIDNEDY SQEMMNNYER MVKDKFERKH LRNWFAKEKL GTLSDETLDK LVDVIADVKI NEISVEEILK AVQLKYPELV EELESLI
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	43,748 Da
Sequence Positions	1-397, 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 Q6L0M1
Species	Picrophilus torridus (strain 700027 / DSM 9790 / JCM 10055 / NBRC 100828)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PTO0896 recombinant protein	MBS1339972 is a recombinant protein targeting PTO0896. Also known as Recombinant Picrophilus torridus Digeranylgeranylglycerophospholipid reductase (PTO0896). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PTO0896 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 PTO0896. It may not necessarily be applicable to this product.

NCBI GI #	499491057
NCBI Accession #	WP_011177697.1

UniProt Primary Accession #	Q6L0M1
GenBank Nucleotide #	WP_011177697.1
NCBI Official Full Name	MULTISPECIES: digeranylgeranylglycerophospholipid reductase
UniProt Protein Name	Digeranylgeranylglycerophospholipid reductase
UniProt Synonym Protein Names	2,3-bis-O-geranylgeranylglyceryl phosphate reductase
UniProt Gene Name	PTO0896
UniProt Synonym Gene Names	DGGGPL reductase; GGR
UniProt Comments for PTO0896	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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