Serine Palmitoyltransferase 1 (sptA) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine palmitoyltransferase 1 (sptA), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum Serine palmitoyltransferase 1 (sptA), partial
Product Gene Name	sptA recombinant protein
Product Synonym Gene Name	sptA
Sequence	YLL TKRPFKPRQN DTLTKAEEDE LIREWSPIPL TPKSNPLEVL NQTELIIQES EGTHVTINNK KYLNLARSNY LGLINNPEIN KISENAIRKY GVGSCGPRGF YGTIDVHLDL EKKTASFMKT PEAVLYSSAY ATISSAIPSF SKIGDIIIVD RGVSQPVQVG VSLSRSRIYY FNHNDMDDLQ RVLEQTQFKG SKAKIVRKFV VIEGLYYNSG TIAPLPQILK FKEQYKFRLI MDESHSVGVL GSTGRGLTEH YNIDTNLVDI LTGSYGNSFS SGGGFCCGSP EVVYHQRLNG VGYVFSASLP PFLACSSTKA IEMLEENPKM LEMLHSNIGE LYQGLNKSGA LNGLLEITSL PISPVIHLSL LDSKSNKSNR INDELLLQKI VDKAMDYGLL LTRAKYVSAE KFIPKPSIRI SVSSNLSSDQ IKQSIEIIKK CTSFVLESN
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	53,519 Da
Sequence Positions	38-479
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 Q55FL5
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sptA recombinant protein	MBS1436099 is a recombinant protein targeting sptA. Also known as Recombinant Dictyostelium discoideum Serine palmitoyltransferase 1 (sptA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sptA 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 sptA. It may not necessarily be applicable to this product.

NCBI GI #	66828327
NCBI GeneID	8616325
NCBI Accession #	XP_647518.1
UniProt Primary Accession #	Q55FL5

GenBank Nucleotide #	XM_642426.1
NCBI Official Full Name	serine C-palmitoyltransferase subunit
NCBI Official Symbol	sptA
UniProt Protein Name	Serine palmitoyltransferase 1
UniProt Synonym Protein Names	Long chain base biosynthesis protein 1; LCB 1; Serine-palmitoyl-CoA transferase 1; SPT 1; SPT1
UniProt Gene Name	sptA
UniProt Synonym Gene Names	LCB 1; SPT 1; SPT1
NCBI Protein Information	serine C-palmitoyltransferase subunit
UniProt Comments for sptA	Component of serine palmitoyltransferase (SPT), which catalyzes the committed step in the synthesis of sphingolipids, the condensation of serine with palmitoyl CoA to form the long chain base 3-ketosphinganine.
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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