Prolipoprotein Diacylglyceryl Transferase (lgt) Azotobacter Vinelandii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Prolipoprotein diacylglyceryl transferase (lgt), Recombinant Protein
Full Product Name	Recombinant Azotobacter vinelandii Prolipoprotein diacylglyceryl transferase (lgt)
Product Gene Name	lgt recombinant protein
Product Synonym Gene Name	lgt
Product Synonym Names	Recombinant Prolipoprotein diacylglyceryl transferase (lgt); Prolipoprotein diacylglyceryl transferase EC= 2.4.99.-
Sequence	MLPYPQIDPV AIALGPLKVH WYGLMYLIGI GGAWWLAARR LAGFAPEWSR EKLSDLVFWV ALGVIAGGRL GYVLFYDLPA YLHDPSLILQ VWRGGMSFHG GLLGVLLCSW IFARRNGKGF FELMDFIAPL VPIGLGAGRI GNFINAELWG KATDLPWAMI FPSDPQQLPR HPSQLYQFAL EGVALFAILW FYSRRPRPTM AVSGLFALCY GIFRFIVEFV RVPDAQLGYL AFGWLTMGQL LCLPMILGGA GMMAWAYRRE ARLAH
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	29,682 Da
Sequence Positions	1-265
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_012560.1 (4883845..4884642, complement)
3D Structure	ModBase 3D Structure for C1DK17
Species	Azotobacter vinelandii (strain DJ / BAA-1303)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lgt recombinant protein	MBS1215554 is a recombinant protein targeting lgt. Also known as Recombinant Azotobacter vinelandii Prolipoprotein diacylglyceryl transferase (lgt). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lgt 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 lgt. It may not necessarily be applicable to this product.

NCBI GI #	226946824
NCBI GeneID	7763680
NCBI Accession #	YP_002801897.1

UniProt Primary Accession #	C1DK17
UniProt Related Accession #	EAM06758
GenBank Nucleotide #	NC_012560.1
NCBI Official Full Name	prolipoprotein diacylglyceryl transferase
NCBI Official Symbol	lgt
UniProt Protein Name	Prolipoprotein diacylglyceryl transferase
Protein Family	Prolipoprotein diacylglyceryl transferase
UniProt Gene Name	lgt
UniProt Entry Name	LGT_AZOVD
NCBI Protein Information	prolipoprotein diacylglyceryl transferase
UniProt Comments for lgt	Function: Transfers the N-acyl diglyceride group on what will become the N-terminal cysteine of membrane lipoproteins By similarity. HAMAP-Rule MF_01147 Pathway: Protein modification; lipoprotein biosynthesis (diacylglyceryl transfer). HAMAP-Rule MF_01147 Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01147. Sequence similarities: Belongs to the lgt family.
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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