Octanoyltransferase (lipB) Thermosynechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Octanoyltransferase (lipB), Recombinant Protein
Full Product Name	Recombinant Thermosynechococcus elongatus Octanoyltransferase (lipB)
Product Gene Name	lipB recombinant protein
Product Synonym Gene Name	lipB
Sequence	MKNALGWHCA LGIIPYRDAW RWQQQLVAER RQNLAAPDVL LTLEHPAIYT LGQGATTAHI HFDPVATGIE VLRIERGGDV TYHCPGQLVA YPILNLRRHC CDLHWYLHQL EEVIIQTLRH YGIKGERVAG LTGVWVEGYK VAAIGIKVTR WISFHGIALN VVNDLKGFGR IVPCGIGDRP VGNLRQFCAD IQLEDVRQQF VAAFSRVFGL EFAPKALADL LIPTSS
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	25,279 Da
Sequence Positions	1-226, 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 Q8DKM7
Species	Thermosynechococcus elongatus (strain BP-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lipB recombinant protein	MBS1358292 is a recombinant protein targeting lipB. Also known as Recombinant Thermosynechococcus elongatus Octanoyltransferase (lipB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lipB 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 lipB. It may not necessarily be applicable to this product.

NCBI GI #	22298375
NCBI GeneID	1011576
NCBI Accession #	NP_681622.1
UniProt Primary Accession #	Q8DKM7
UniProt Related Accession #	Q8DKM7

GenBank Nucleotide #	NC_004113.1
NCBI Official Full Name	lipoyltransferase
NCBI Official Symbol	lipB
UniProt Protein Name	Octanoyltransferase
UniProt Synonym Protein Names	Lipoate-protein ligase B
Protein Family	Capsule polysaccharide modification protein
UniProt Gene Name	lipB
NCBI Protein Information	lipoyltransferase
UniProt Comments for lipB	Catalyzes the transfer of endogenously produced octanoic acid from octanoyl-acyl-carrier-protein onto the lipoyl domains of lipoate-dependent enzymes. Lipoyl-ACP can also act as a substrate although octanoyl-ACP is likely to be the physiological substrate.
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