Lipoyl Synthase 1 (lipA1) Thermosynechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipoyl synthase 1 (lipA1), Recombinant Protein
Full Product Name	Recombinant Thermosynechococcus elongatus Lipoyl synthase 1 (lipA1)
Product Gene Name	lipA1 recombinant protein
Product Synonym Gene Name	lipA1
Sequence	MVVKPEWLRV KAPQWQRVGS VKELLRDLNL NTVCEEASCP NIGECFYQGT ATFLMMGPAC TRACPYCDID FEKKPLPLDP TEPQRLAEAV VRMRLNHVVI TSVNRDDLAD GGASQFVATI EAVRQRSPQT TIEVLIPDLC GNWQALDQIL AAGPEVLNHN TETVPRLYRR VRPQGNYQRS LELLQRVRDR APWIYSKSGI MVGLGETSEE VVALMQDLRQ VGCDILTIGQ YLQPSPKHLA VQAFIPPEQF EEWRRLGESM GFLQVVSSPL TRSSYHAEQV RALMQQYPRQ RPAPSPLG
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	33,622 Da
Sequence Positions	1-298, 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 Q8DL83
Species	Thermosynechococcus elongatus (strain BP-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lipA1 recombinant protein	MBS1423387 is a recombinant protein targeting lipA1. Also known as Recombinant Thermosynechococcus elongatus Lipoyl synthase 1 (lipA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lipA1 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 lipA1. It may not necessarily be applicable to this product.

NCBI GI #	22298156
NCBI GeneID	1011229
NCBI Accession #	NP_681403.1
UniProt Primary Accession #	Q8DL83
GenBank Nucleotide #	NC_004113.1

NCBI Official Full Name	lipoyl synthase
NCBI Official Symbol	tlr0613
UniProt Protein Name	Lipoyl synthase 1
UniProt Synonym Protein Names	Lip-syn 1
Protein Family	Lipoyl synthase
UniProt Gene Name	lipA1
NCBI Protein Information	lipoyl synthase
UniProt Comments for lipA1	Catalyzes the radical-mediated insertion of two sulfur atoms into the C-6 and C-8 positions of the octanoyl moiety bound to the lipoyl domains of lipoate-dependent enzymes, thereby converting the octanoylated domains into lipoylated derivatives.
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