Octanoyltransferase (lipB) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Octanoyltransferase (lipB), Recombinant Protein
Full Product Name	Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum Octanoyltransferase (lipB)
Product Gene Name	lipB recombinant protein
Product Synonym Gene Name	lipB; BU268
Product Synonym Names	Octanoyltransferase; EC=2.3.1.181; Lipoate-protein ligase B; Lipoyl/octanoyl transferase; Octanoyl-[acyl-carrier-protein]-protein N-octanoyltransferase
Sequence	MKKKIIFLRN LGIEHWLTTF NKMNNFIISR NPCTYDEIWF VEHYPIFTQG QSNEQKNLIV SNDIPVVQTN RGGQITYHGP GQQILYFLID LKRRKMNIRQ LINIMEQTVI ETLNNFSIQA YTKKKMPGVY INEKKICSLG LRIKKGFTLH GLALNVNMNL TPFNYIHPCG DKNMKMTQIK DFNSNVKLKD VRFILIKELS KFLEIFIINS N
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	24,775 Da
Sequence Positions	1-211aa; 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 P57356
Species	Buchnera aphidicola subsp. Acyrthosiphon pisum (strain APS) (Acyrthosiphon pisum symbiotic bacterium)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lipB recombinant protein	MBS1225626 is a recombinant protein targeting lipB. Also known as Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum 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 #	15616879
NCBI GeneID	1109707
NCBI Accession #	NP_240092.1
UniProt Primary Accession #	P57356

UniProt Related Accession #	P57356
GenBank Nucleotide #	NC_002528.1
NCBI Official Full Name	lipoyltransferase
NCBI Official Symbol	lipB
UniProt Protein Name	Octanoyltransferase
UniProt Synonym Protein Names	Lipoate-protein ligase B; Lipoyl/octanoyl transferase; Octanoyl-[acyl-carrier-protein]-protein N-octanoyltransferase
Protein Family	Capsule polysaccharide modification protein
UniProt Gene Name	lipB
UniProt Synonym Gene Names	BU268
UniProt Entry Name	LIPB_BUCAI
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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