Lipoyl Synthase (lipA) Ehrlichia Ruminantium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipoyl synthase (lipA), Recombinant Protein
Full Product Name	Recombinant Ehrlichia ruminantium Lipoyl synthase (lipA)
Product Gene Name	lipA recombinant protein
Product Synonym Gene Name	lipA
Sequence	MKSKPDWLKV KMPTGSAFYE MRNLMKLHKL NTVCEEAACP NIGECWNKKH ATVMILGSTC TRACAFCNVA SGIPDKLDPH EPQSLAKAVS SLKLQHVVIT SVDRDDLEDG GAGHFVECIE EIRKRDSNVT IEILTPDFLN KHDAIDKIAK AFPDVYNHNV ETVPRLYAKI RPKARYFHSL YLLKTIKQKN PRIFTKSGIM VGLGELKEEI YQVMDDLRSA DVDFIVIGQY LQPTSKHAVV DRYVTPEEFD HYKYVAYSKG FLMVASGPLV RSSYHAEEDF QRLKKNRAAM YT
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	33,219 Da
Sequence Positions	1-292, 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 Q5FFK4
Species	Ehrlichia ruminantium (strain Gardel)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lipA recombinant protein	MBS1434085 is a recombinant protein targeting lipA. Also known as Recombinant Ehrlichia ruminantium Lipoyl synthase (lipA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lipA 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 lipA. It may not necessarily be applicable to this product.

NCBI GI #	499468569
NCBI Accession #	WP_011155209.1
UniProt Primary Accession #	Q5FFK4
GenBank Nucleotide #	WP_011155209.1
NCBI Official Full Name	lipoyl synthase

UniProt Protein Name	Lipoyl synthase
UniProt Synonym Protein Names	Lip-syn
Protein Family	Capsule polysaccharide modification protein
UniProt Gene Name	lipA
UniProt Synonym Gene Names	LS
UniProt Comments for lipA	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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