Tetraacyldisaccharide 4'-Kinase (lpxK) Bartonella Henselae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tetraacyldisaccharide 4'-kinase (lpxK), Recombinant Protein
Full Product Name	Recombinant Bartonella henselae Tetraacyldisaccharide 4'-kinase (lpxK)
Product Gene Name	lpxK recombinant protein
Product Synonym Gene Name	lpxK
Sequence	MHLSAPHFWW KNKSFLRFLL APISWGYAYF SRRRMARHPP IVDLPVLCIG NFTCGGAGKT PVVIAFAKVA KELGFVPGVV SRGYGGRVKG IHLVNEEHDN AYDVGDEALL LARHAFVAIS VDRYAAAQRL KKEGCNLILM DDGFQSRRLY MDYALLVVDA MRGFGNGAVF PAGPLRVPLK TQFSLMDSVL LIGDSDACDY IAFLVNRTGK SLHHAHLESL ASDKVAGKSF LAFAGIGNPD KFLKSIKELS GHVVQTYFYP DHYFFTNTDL KNLVQRAKMH NLWLATTAKD YIRIQTSKMQ EDLKNLVVFD INVNFVQKNF CRVLLQEVMI RFRERKHSL
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	38,260 Da
Sequence Positions	1-339, 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 Q6G4R6
Species	Bartonella henselae (strain 49882 / Houston 1) (Rochalimaea henselae)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxK recombinant protein	MBS1458760 is a recombinant protein targeting lpxK. Also known as Recombinant Bartonella henselae Tetraacyldisaccharide 4'-kinase (lpxK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpxK 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 lpxK. It may not necessarily be applicable to this product.

NCBI GI #	499493577
NCBI Accession #	WP_011180217.1
UniProt Primary Accession #	Q6G4R6
GenBank Nucleotide #	WP_011180217.1
NCBI Official Full Name	tetraacyldisaccharide 4'-kinase

UniProt Protein Name	Tetraacyldisaccharide 4'-kinase
UniProt Synonym Protein Names	Lipid A 4'-kinase
Protein Family	Probable tetraacyldisaccharide 4'-kinase
UniProt Gene Name	lpxK
UniProt Comments for lpxK	Transfers the gamma-phosphate of ATP to the 4'-position of a tetraacyldisaccharide 1-phosphate intermediate (termed DS-1-P) to form tetraacyldisaccharide 1,4'-bis-phosphate (lipid IVA).
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