Carboxylate-Amine Ligase Lpc_0414 (Lpc_0414) (LPC_0414) Legionella Pneumophila Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carboxylate-amine ligase LPC_0414 (LPC_0414), Recombinant Protein
Full Product Name	Recombinant Legionella pneumophila Carboxylate-amine ligase LPC_0414 (LPC_0414)
Product Gene Name	LPC_0414 recombinant protein
Sequence	MRLLSFKKSK IVSIGTELEF QIIDRSSLSL VSRSKELMRA LKDMRYRDQI KPEITQSMIE INSSIHQSAK EMYDELLELQ KILVETAASI DIAFCGGGTH PFQQWTMQKI FPSKRFKKKF NQYRYLSKRA TVFGQHIHIG CPTGDDAIYL THALARYVPH FIAISASSPF YLGINTNYCS SRSTIFNAFP LSGVIPYLRN WQEFSDYYRK MYRWKIIENM KDFYWDIRPK PELGTIEIRV CDTPLTLRKS ILITAYIQAL ALYLLKEKPV QLSHDLYYVY NYNRFQASRH GLEGELTVTD KDKPILIMDD ILETIKKIEQ YINGLGNSEY IEELYSDVIN KQNDSVLINK IYKQDGSFTK LVAAQCELWL SDSKDRKWMT QPS
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	44,733 Da
Sequence Positions	1-383, 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 A5IAK4
Species	Legionella pneumophila (strain Corby)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LPC_0414 recombinant protein	MBS1236249 is a recombinant protein targeting LPC_0414. Also known as Recombinant Legionella pneumophila Carboxylate-amine ligase LPC_0414 (LPC_0414). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of LPC_0414 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 LPC_0414. It may not necessarily be applicable to this product.

NCBI GI #	500496371
NCBI Accession #	WP_011947624.1
UniProt Primary Accession #	A5IAK4
GenBank Nucleotide #	WP_011947624.1

NCBI Official Full Name	glutamate--cysteine ligase
UniProt Protein Name	Putative glutamate--cysteine ligase 2-1
UniProt Synonym Protein Names	Gamma-glutamylcysteine synthetase 2-1
UniProt Gene Name	LPC_0414
UniProt Synonym Gene Names	GCS 2-1; Gamma-GCS 2-1
UniProt Comments for LPC_0414	ATP-dependent carboxylate-amine ligase which exhibits weak glutamate--cysteine ligase activity.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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