Carboxylate-Amine Ligase Mmcs_0573 (Mmcs_0573) (Mmcs_0573) Mycobacterium Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carboxylate-amine ligase Mmcs_0573 (Mmcs_0573), Recombinant Protein
Full Product Name	Recombinant Mycobacterium sp. Carboxylate-amine ligase Mmcs_0573 (Mmcs_0573)
Product Gene Name	Mmcs_0573 recombinant protein
Product Synonym Gene Name	Mmcs_0573
Sequence	MLSVPASSRI DFAGSPRPTV GVEWEFALVD AHTRDLSNEA ATVIAEIGET PHVHKELLRN TVEVVTGICE NTGEAMADLH DTLKVVRRIV RDRGMELFCA GTHPFANWST QQLTDAPRYA ELIKRTQWWG RQMLIWGVHV HVGISSAHKV MPIISSLLNQ YPHLLALSAS SPYWDGSDTG YASNRAMMFQ QLPTAGLPFQ FQSWPEFERF VHDQKKTGII DHMNEIRWDI RPSPHLGTVE IRVFDGVSNI AELGSLVALT HCLVVDLDRR LDAGEQLPVM PPWHVQENKW RAARYGLDAE IILDADSNER LVTEDLDDLL TRLQPVARSL DCADELAGVA EIYRHGASYQ RQRRVAEEHD GDLLAVVDAL VAELEL
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	42,229 Da
Sequence Positions	1-376, 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 Q1BEJ0
Species	Mycobacterium sp. (strain MCS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mmcs_0573 recombinant protein	MBS1281825 is a recombinant protein targeting Mmcs_0573. Also known as Recombinant Mycobacterium sp. Carboxylate-amine ligase Mmcs_0573 (Mmcs_0573). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Mmcs_0573 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 Mmcs_0573. It may not necessarily be applicable to this product.

NCBI GI #	499877265
NCBI Accession #	WP_011557999.1
UniProt Primary Accession #	Q1BEJ0

GenBank Nucleotide #	WP_011557999.1
NCBI Official Full Name	MULTISPECIES: glutamate--cysteine ligase
UniProt Protein Name	Putative glutamate--cysteine ligase 2
UniProt Synonym Protein Names	Gamma-glutamylcysteine synthetase 2
UniProt Gene Name	Mmcs_0573
UniProt Synonym Gene Names	GCS 2; Gamma-GCS 2
UniProt Comments for Mmcs_0573	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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