Phosphoribosylaminoimidazole-Succinocarboxamide Synthase (purC) Lactobacillus Plantarum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC), Recombinant Protein
Full Product Name	Recombinant Lactobacillus plantarum Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC)
Product Gene Name	purC recombinant protein
Product Synonym Gene Name	purC
Sequence	MTAAIEKQAL LYTGKAKAMY ATNDPEILWV EYLDQATALN GKRKVPIDQK GRLNNRIASL IFKDLANHGI ANHFIEQPSD YVQLVRRVTM IPLETVVRNA ASGSFERKFA VPHLTKFAEP VLEFFYKSDQ LDDPFINDSQ IHALNVATPA IVAEIKRQAL QVNQRLTAIF AAMGVQLVDF KIEFGLTTTG KVLLADEISP DSCRLVDLKT GASLDKDVFR KDLGDLTSVY QEVLTRLATV EEA
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	27,081 Da
Sequence Positions	1-243, Full length
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 Q88U22
Species	Lactobacillus plantarum (strain BAA-793 / NCIMB 8826 / WCFS1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purC recombinant protein	MBS1386362 is a recombinant protein targeting purC. Also known as Recombinant Lactobacillus plantarum Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of purC 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 purC. It may not necessarily be applicable to this product.

NCBI GI #	489738492
NCBI GeneID	1063033
NCBI Accession #	WP_003642587.1
UniProt Primary Accession #	Q88U22

UniProt Secondary Accession #	F9URK3
UniProt Related Accession #	Q88U22
GenBank Nucleotide #	WP_003642587.1
NCBI Official Full Name	MULTISPECIES: phosphoribosylaminoimidazolesuccinocarboxamide synthase
NCBI Official Symbol	purC
UniProt Protein Name	Phosphoribosylaminoimidazole-succinocarboxamide synthase
UniProt Synonym Protein Names	SAICAR synthetase
Protein Family	Phosphoribosylaminoimidazole-succinocarboxamide synthase
UniProt Gene Name	purC
NCBI Protein Information	phosphoribosylaminoimidazolesuccinocarboxamide synthase
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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