Phosphoribosylaminoimidazole-Succinocarboxamide Synthase (purC) Clostridium Tetani Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC), Recombinant Protein
Full Product Name	Recombinant Clostridium tetani Phosphoribosylaminoimidazole-succinocarboxamide synthase (purC)
Product Gene Name	purC recombinant protein
Product Synonym Gene Name	purC
Sequence	MNVVYKGKTK DVFLLEDGNY LLKFKDDVTG ENGVFDPGAN SVGLTMEGAG RAALRLTKLF FERLKEEKIP THYIDSNVEE GTMKVKPAKI FGNGLEVICR YRAVGSFMRR YGMYAKEGQV LDAFVEVTLK DDERQDPPIT KDALDMLGIL SLREYDILKD LTKKISGIVK DELSKKGIEL YDIKLEFGRI DEDNHIALID EISGGNMRAY KDGEYIEPLD LEKLIIE
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	25,699 Da
Sequence Positions	1-227, 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 Q895U7
Species	Clostridium tetani
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for purC recombinant protein	MBS1404245 is a recombinant protein targeting purC. Also known as Recombinant Clostridium tetani 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 #	499411938
NCBI Accession #	WP_011099405.1
UniProt Primary Accession #	Q895U7
GenBank Nucleotide #	WP_011099405.1

NCBI Official Full Name	phosphoribosylaminoimidazolesuccinocarboxamide synthase
UniProt Protein Name	Phosphoribosylaminoimidazole-succinocarboxamide synthase
UniProt Synonym Protein Names	SAICAR synthetase
Protein Family	Phosphoribosylaminoimidazole-succinocarboxamide synthase
UniProt Gene Name	purC
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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