7-Cyano-7-Deazaguanine Synthase (queC) Bacillus Thuringiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	7-cyano-7-deazaguanine synthase (queC), Recombinant Protein
Full Product Name	Recombinant Bacillus thuringiensis 7-cyano-7-deazaguanine synthase (queC)
Product Gene Name	queC recombinant protein
Sequence	MKKEKAVVVF SGGQDSTTCL FWAIEQFAEV EAVTFNYNQR HKLEIDCAAE IAKELGIKHT VLDMSLLNQL APNALTRTDM EITHEEGELP STFVDGRNLL FLSFAAVLAK QVGARHIVTG VCETDFSGYP DCRDVFVKSL NVTLNLSMDY PFVIHTPLMW IDKAETWKLS DELGAFEFVR EKTLTCYNGI IGDGCGECPA CQLRKAGLDT YLQEREGASN
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	24,513 Da
Sequence Positions	1-220, 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 A0RBG1
Species	Bacillus thuringiensis (strain Al Hakam)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for queC recombinant protein	MBS1263475 is a recombinant protein targeting queC. Also known as Recombinant Bacillus thuringiensis 7-cyano-7-deazaguanine synthase (queC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of queC 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 queC. It may not necessarily be applicable to this product.

NCBI GI #	446634250
NCBI Accession #	WP_000711596.1
UniProt Primary Accession #	A0RBG1
GenBank Nucleotide #	WP_000711596.1
NCBI Official Full Name	MULTISPECIES: 7-cyano-7-deazaguanine synthase QueC
UniProt Protein Name	7-cyano-7-deazaguanine synthase

UniProt Synonym Protein Names	7-cyano-7-carbaguanine synthase
Protein Family	7-cyano-7-deazaguanine synthase
UniProt Gene Name	queC
UniProt Comments for queC	Catalyzes the ATP-dependent conversion of 7-carboxy-7-deazaguanine (CDG) to 7-cyano-7-deazaguanine (preQ0).
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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