S-Adenosylmethionine:trna Ribosyltransferase-Isomerase (queA) Thermosynechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA), Recombinant Protein
Full Product Name	Recombinant Thermosynechococcus elongatus S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA)
Product Gene Name	queA recombinant protein
Product Synonym Gene Name	queA
Sequence	MPHPDDFSLD AYDYQLPPER IAQQPVSPRD RSRLMVVTRD TAADHYFYEL PQLLAPGDLL VLNDTRVIPA RLIGQKVGAA GRTVEVFLLE ELSDRQWLAL VKPGRKLRPG AVIQIGPLQA TVQTIDEETR GRVIEFDLPP GDRLWSYLDH LGEVPLPPYI DHPLADTEQY QTVYARRPGA VAAPTAGLHF TPELFSKLAD RGIDHCFLTL HVGIGTFRPV EAKDIRHHHL HEEWLEVSAA TVERIQAAKA AGGRIIAVGT TVIRALETAA HSGTLQPFCG KSDLYIYPGY QPKIVEGFIT NFHLPRSSLM MLVSAFIGRE RLLQLYQQAI DRQYRFYSFG DAMLILPSAC HNTL
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	39,670 Da
Sequence Positions	1-354, 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 Q8DKD7
Species	Thermosynechococcus elongatus (strain BP-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for queA recombinant protein	MBS1423741 is a recombinant protein targeting queA. Also known as Recombinant Thermosynechococcus elongatus S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of queA 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 queA. It may not necessarily be applicable to this product.

NCBI GI #	22298465
NCBI GeneID	1011400
NCBI Accession #	NP_681712.1

UniProt Primary Accession #	Q8DKD7
UniProt Related Accession #	Q8DKD7
GenBank Nucleotide #	NC_004113.1
NCBI Official Full Name	S-adenosylmethionine--tRNA ribosyltransferase-isomerase
NCBI Official Symbol	queA
UniProt Protein Name	S-adenosylmethionine:tRNA ribosyltransferase-isomerase
UniProt Synonym Protein Names	Queuosine biosynthesis protein QueA
Protein Family	S-adenosylmethionine:tRNA ribosyltransferase-isomerase
UniProt Gene Name	queA
NCBI Protein Information	S-adenosylmethionine--tRNA ribosyltransferase-isomerase
UniProt Comments for queA	Transfers and isomerizes the ribose moiety from AdoMet to the 7-aminomethyl group of 7-deazaguanine (preQ1-tRNA) to give epoxyqueuosine (oQ-tRNA).
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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