S-Adenosylmethionine:trna Ribosyltransferase-Isomerase (queA) Streptococcus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA), Recombinant Protein
Full Product Name	Recombinant Streptococcus thermophilus S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA)
Product Gene Name	queA recombinant protein
Product Synonym Gene Name	queA
Sequence	MNTNDFDFEL PEELIAQTPL EQRDASKLLV IDPVTREMTD THFDHIIDQL NPGDALVMNN TRVLPARLYG EKTDTHGHVE FLLLKNTQGD QWEVLAKPAK RLKVGAKVSF GDGRLTATVT EELDHGGRIV EFSYNGIFLE VLESLGEMPL PPYIHEKLED RDRYQTVYAK ENGSAAAPTA GLHFTPELLQ KIEAKGVKLV YLTLHVGLGT FRPVSVDNVD EHEMHSEFYT LSQEAADTLN SVKAAGGRIV AVGTTSIRTL ETIGNKYDGQ LQADSGWTNI FIKPGYQFTV VDAFSTNFHL PKSTLVMLVS AFAGREFVLE AYKHAIQERY RFFSFGDAMF VTRPSEK
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	38,842 Da
Sequence Positions	1-347, 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 Q5M5E8
Species	Streptococcus thermophilus (strain BAA-250 / LMG 18311)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for queA recombinant protein	MBS1331594 is a recombinant protein targeting queA. Also known as Recombinant Streptococcus thermophilus 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 #	499544856
NCBI Accession #	WP_011225639.1
UniProt Primary Accession #	Q5M5E8

GenBank Nucleotide #	WP_011225639.1
NCBI Official Full Name	tRNA preQ1(34) S-adenosylmethionine ribosyltransferase-isomerase 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
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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