S-Adenosylmethionine:trna Ribosyltransferase-Isomerase (queA) Chlorobium Tepidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA), Recombinant Protein
Full Product Name	Recombinant Chlorobium tepidum S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA)
Product Gene Name	queA recombinant protein
Product Synonym Gene Name	queA
Sequence	MKVSDFDYAL PEERIACYPP AKRGSTRLIV LNRATGSITH SAYASLHEEL RPGDLLVLNN SRVIRARLIA HKPTGARIEL MLLEKHEEAQ NLALYRGRLR IGDRLLAHGV ELSVEALPSD GIARLSCATG NLADLFDAHG SVPIPPYLKR DAEELDRERY QTVFAELPGS VAAPTASLNL TDELLDKINA KGVGIAHVTL HVGLGTFLPI RSERFEEHVM HREFYNIPQT AARKIGETKA SGGRVVAAGT TVTRALEHAA PKLIESGFTQ EVSSEADIFI YPGYEFRIID ALITNFHAPR STVLMLTAAF AEKELLMRAY HEALDNGYRF LSYGDSMFIS
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	37,547 Da
Sequence Positions	1-340, 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 Q8KEY7
Species	Chlorobium tepidum (strain 49652 / DSM 12025 / TLS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for queA recombinant protein	MBS1372651 is a recombinant protein targeting queA. Also known as Recombinant Chlorobium tepidum 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 #	21673380
NCBI GeneID	1007598
NCBI Accession #	NP_661445.1

UniProt Primary Accession #	Q8KEY7
UniProt Related Accession #	Q8KEY7
GenBank Nucleotide #	NC_002932.3
NCBI Official Full Name	S-adenosylmethionine--tRNA ribosyltransferase-isomerase
NCBI Official Symbol	queA-1
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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