S-Adenosylmethionine:trna Ribosyltransferase-Isomerase (queA) Treponema Denticola Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA), Recombinant Protein
Full Product Name	Recombinant Treponema denticola S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA)
Product Gene Name	queA recombinant protein
Product Synonym Gene Name	queA
Sequence	MLTKEFNFDL PEELIAQSPS EKRGGDRLLI LDKQSGKLED RLFTELPEIL PKNALMVFNN SKVRHARIYA KSKTNAVCEF LMINPMRDSD GSLWQVMAKK AKRQKPGKTF LFEDGTEAEI IESEIPLESE FRCMKFNRVI DDEWLDKYGH MPLPPYIHRK DTQEDADRYQ TVYAEIYGSI AAPTAGLHFT QEVLSKIRDK GIDIEYVTLH VGLGTFLPVR AEKIEDHKMH TEHFFISEKT AQAVEKAKKE GRPIIAVGTT TVRTLESAWD EKRKELKWGN QSTDIFIYPS YKFKLIDKLF TNFHTPESSL VMLVSALAGK ENIFKAYRHA VEEKYKFFSY GDAMLIL
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	40,043 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 Q73JQ7
Species	Treponema denticola (strain 35405 / CIP 103919 / DSM 14222)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for queA recombinant protein	MBS1280239 is a recombinant protein targeting queA. Also known as Recombinant Treponema denticola 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 #	42527952
NCBI GeneID	2739636
NCBI Accession #	NP_973050.1

UniProt Primary Accession #	Q73JQ7
UniProt Related Accession #	Q73JQ7
GenBank Nucleotide #	NC_002967.9
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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