# S-Adenosylmethionine:trna Ribosyltransferase-Isomerase (queA) Lactococcus Lactis Subsp. Lactis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA), Recombinant Protein |
| **Full Product Name** | Recombinant Lactococcus lactis subsp. lactis S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA) |
| **Product Gene Name** | queA recombinant protein |
| **Product Synonym Gene Name** | queA |
| **Sequence** | MNINDFDFDL PEELIAQTPL EKRSESRLLI LDPKTEELED RHFYNIIDEL EAGDALVLNN TRVLPARLHG ERAETGGHIE LLLLKDMGQN RWETLAKPAR KMKVGEEVVF GDGRLKAVVV EVLDHGGRIV EFKYDGIFLE ILESLGEMPL PPYIHEQLQD QERYQTVFAK ENGSAAAPTA GLHYTPELLE KIADKGVKIV ELTLHVGLGT FRPVSVDNVD EHQMHSEFYR LTEEAAAQLR AVKASGHKIV ASGTTSIRTL ETIGSKFDGD IQADSGWTDI FIKPGYEWKV VDAFNTNFHL PKSTLVMLVA AFAGRDFVLD AYQHAIDEKY RFFSFGDAMF VRPKK |
| **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** | 38,897 Da |
| **Sequence Positions** | 1-345, 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 Q9CFA6 |
| **Species** | Lactococcus lactis subsp. lactis (strain IL1403) (Streptococcus lactis) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for queA recombinant protein** | MBS1330755 is a recombinant protein targeting queA. Also known as Recombinant Lactococcus lactis subsp. lactis 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.

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| **NCBI GI #** | 15673557 |
| **NCBI GeneID** | 1115235 |
| **NCBI Accession #** | NP_267731.1 |

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| **UniProt Primary Accession #** | Q9CFA6 |
| **UniProt Related Accession #** | Q9CFA6 |
| **GenBank Nucleotide #** | NC_002662.1 |
| **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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