# S-Adenosylmethionine:trna Ribosyltransferase-Isomerase (queA) Pseudomonas Entomophila Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas entomophila S-adenosylmethionine:tRNA ribosyltransferase-isomerase (queA) |
| **Product Gene Name** | queA recombinant protein |
| **Product Synonym Gene Name** | queA |
| **Sequence** | MRVADFSFEL PDSLIARHPL AERHGSRLLV LDGPSGELAH KQFTDLLEYL RPGDLMVFNN TRVIPARLFG QKASGGKLEV LVERVLDSHR VLAHVRASKA PKEGAQILID GGGEAEMVAR HDTLFELRFS EEVLPLLERV GHMPLPPYID RPDEGADRER YQTVYAERAG AVAAPTAGLH FDEALLEKIA AKGVERAFVT LHVGAGTFQP VRVDKIEDHT MHKEWLEVSQ DVVDAVAACR ARGGRVIAVG TTSVRSLESA ARDGVLKAFS GDTDIFIFPG RPFHVVDCLV TNFHLPESTL LMLVSAFAGY PETMAAYAAA VEQGYRFFSY GDAMFITRNP APRGPEDQA |
| **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** | 38,312 Da |
| **Sequence Positions** | 1-349, 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 Q1IEK2 |
| **Species** | Pseudomonas entomophila (strain L48) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for queA recombinant protein** | MBS1313910 is a recombinant protein targeting queA. Also known as Recombinant Pseudomonas entomophila 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 #** | 499851594 |
| **NCBI Accession #** | WP_011532328.1 |
| **UniProt Primary Accession #** | Q1IEK2 |

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| **GenBank Nucleotide #** | WP_011532328.1 |
| **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). |
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