# 7-Cyano-7-Deazaguanine Synthase (queC) Burkholderia Xenovorans Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 7-cyano-7-deazaguanine synthase (queC), Recombinant Protein |
| **Full Product Name** | Recombinant Burkholderia xenovorans 7-cyano-7-deazaguanine synthase (queC) |
| **Product Gene Name** | queC recombinant protein |
| **Product Synonym Gene Name** | queC |
| **Sequence** | MIRKDAKRSA LVLFSGGQDS ATCLAWALER YETVETLGFD YGQRHRVELE CREGFRNAVV RAFPAWADRL GEDHMIDLSV LGAISDTAMT REIEIEATAN GLPNTFVPGR NLMFMTIAAA IAYRRGLQVL VGGMCETDFS GYPDCRDDTM KALQVALNLG MDTRFLLETP LMWLDKADTW RLAHELGGAE LVELVRVETH TCYLGERAEL HAWGFGCGEC PACRLRKRGY EAYLAGENVT EPV |
| **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** | 27,119 Da |
| **Sequence Positions** | 1-243, 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 Q146Z6 |
| **Species** | Burkholderia xenovorans (strain LB400) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for queC recombinant protein** | MBS1308787 is a recombinant protein targeting queC. Also known as Recombinant Burkholderia xenovorans 7-cyano-7-deazaguanine synthase (queC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of queC 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 queC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 740671817 |
| **NCBI Accession #** | WP_038457106.1 |
| **UniProt Primary Accession #** | Q146Z6 |
| **GenBank Nucleotide #** | WP_038457106.1 |
| **NCBI Official Full Name** | 7-cyano-7-deazaguanine synthase |

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|---|---|
| **UniProt Protein Name** | 7-cyano-7-deazaguanine synthase |
| **UniProt Synonym Protein Names** | 7-cyano-7-carbaguanine synthase |
| **Protein Family** | 7-cyano-7-deazaguanine synthase |
| **UniProt Gene Name** | queC |
| **UniProt Comments for queC** | Catalyzes the ATP-dependent conversion of 7-carboxy-7-deazaguanine (CDG) to 7-cyano-7-deazaguanine (preQ0). |
| **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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