NADPH-Dependent 7-Cyano-7-Deazaguanine Reductase (queF) Rhodopseudomonas Palustris Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADPH-dependent 7-cyano-7-deazaguanine reductase (queF), Recombinant Protein
Full Product Name	Recombinant Rhodopseudomonas palustris NADPH-dependent 7-cyano-7-deazaguanine reductase (queF)
Product Gene Name	queF recombinant protein
Product Synonym Gene Name	queF
Sequence	MSRSPRKTPK SPSLQLGQAV EWPATPDAAR LDRVPNPQAG TDYLVRFTAP EFTSLCPVTG QPDFAHLVID YAPGAWLVES KSLKLYLASF RNHGGFHEDC TVSIGKRIAA EIKPKWLRIG GYWYPRGGIP IDVFWQTGKL PKGMWVPDQG VAPYRGRG
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	17,534 Da
Sequence Positions	1-158, 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 Q136E4
Species	Rhodopseudomonas palustris (strain BisB5)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for queF recombinant protein	MBS1357218 is a recombinant protein targeting queF. Also known as Recombinant Rhodopseudomonas palustris NADPH-dependent 7-cyano-7-deazaguanine reductase (queF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of queF 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 queF. It may not necessarily be applicable to this product.

NCBI GI #	499822488
NCBI Accession #	WP_011503222.1
UniProt Primary Accession #	Q136E4
GenBank Nucleotide #	WP_011503222.1

NCBI Official Full Name	MULTISPECIES: NADPH-dependent 7-cyano-7-deazaguanine reductase QueF
UniProt Protein Name	NADPH-dependent 7-cyano-7-deazaguanine reductase
UniProt Synonym Protein Names	7-cyano-7-carbaguanine reductase
Protein Family	NADPH-dependent 7-cyano-7-deazaguanine reductase
UniProt Gene Name	queF
UniProt Comments for queF	Catalyzes the NADPH-dependent reduction of 7-cyano-7-deazaguanine (preQ0) to 7-aminomethyl-7-deazaguanine (preQ1).
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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