Trna-Dihydrouridine Synthase A (dusA) Xanthomonas Axonopodis Pv. Citri Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA-dihydrouridine synthase A (dusA), Recombinant Protein
Full Product Name	Recombinant Xanthomonas axonopodis pv. citri tRNA-dihydrouridine synthase A (dusA)
Product Gene Name	dusA recombinant protein
Product Synonym Gene Name	dusA
Sequence	MTASTDRYAA SLRLSVAPMM DWTDRHCRVF HRLLAPSARL YTEMVHANAV IHGDRARLIG FDPVEHPLAL QLGGSDPALL AQAAAIAQEW GFDEINLNCG CPSDRVQAGR FGACLMREPA LVAECVAAMC AATHLPITVK CRLGVDDDDD YALFARFVDQ VVAAGAAMVV VHARNAWLKG LSPKENREVP PLRYDWAYRL KQERPGLPVV LNGGIVAVEP AIAHLQHADG VMLGRAAYHD PYVLHCLDAA LNQRPEQPRE SLLRAYQPYV ESQLAQGLGL KHMTRHVLGL FHGQPGGRAF RQVLSEGAHR PGAGWELVEQ ALERTDTRSW RVVA
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	36,732 Da
Sequence Positions	1-334, 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 Q8PFF8
Species	Xanthomonas axonopodis pv. citri (strain 306)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dusA recombinant protein	MBS1356411 is a recombinant protein targeting dusA. Also known as Recombinant Xanthomonas axonopodis pv. citri tRNA-dihydrouridine synthase A (dusA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dusA 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 dusA. It may not necessarily be applicable to this product.

NCBI GI #	499364650
NCBI Accession #	WP_011052680.1
UniProt Primary Accession #	Q8PFF8
GenBank Nucleotide #	WP_011052680.1

NCBI Official Full Name	MULTISPECIES: tRNA dihydrouridine(20/20a) synthase DusA
UniProt Protein Name	tRNA-dihydrouridine(20/20a) synthase
UniProt Synonym Protein Names	U20-specific dihydrouridine synthase
UniProt Gene Name	dusA
UniProt Synonym Gene Names	U20-specific Dus
UniProt Comments for dusA	Catalyzes the synthesis of 5,6-dihydrouridine (D), a modified base found in the D-loop of most tRNAs, via the reduction of the C5-C6 double bond in target uridines. Specifically modifies U20 and U20a in tRNAs.
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