Trna 2-Thiocytidine Biosynthesis Protein Ttca (ttcA) Chromobacterium Violaceum Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA 2-thiocytidine biosynthesis protein TtcA (ttcA), Recombinant Protein
Full Product Name	Recombinant Chromobacterium violaceum tRNA 2-thiocytidine biosynthesis protein TtcA (ttcA)
Product Gene Name	ttcA recombinant protein
Product Synonym Gene Name	ttcA; CV_4131
Product Synonym Names	tRNA 2-thiocytidine biosynthesis protein TtcA
Sequence	MNAALDDKAA KKAAFEGNKL AKRLRHHVGD AINDFNMIEE GDRVMVCLSG GKDSYTLLDI LRGLQKSAPI NFSIVAVNLD QKQPGFPEHV LPEYLKSIGV EYRIVEEDTY SIVKRLVPEG KTTCSLCSRL RRGILYRVAD ELGATKIALG HHRDDILHTL FLNMFYGGKM KAMPPKLVSD DGRHMVIRPL AYCREKDIIR YADWKAFPII PCNLCGSQPN LQRQVVKEMV NDWDKRFPGR VESMFRALQN VVPSHLADPK LFDFVGLQTG DAPFADGDTA FDKEEFRDPA PDADDVEDAP KKRTISILDS RGKESGCGA
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	35,721 Da
Sequence Positions	1-319aa; 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 Q7NQK6
Species	Chromobacterium violaceum (strain 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / 9757)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ttcA recombinant protein	MBS1425020 is a recombinant protein targeting ttcA. Also known as Recombinant Chromobacterium violaceum tRNA 2-thiocytidine biosynthesis protein TtcA (ttcA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ttcA 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 ttcA. It may not necessarily be applicable to this product.

NCBI GI #	34499586
NCBI GeneID	2549656
NCBI Accession #	NP_903801.1

UniProt Primary Accession #	Q7NQK6
UniProt Related Accession #	Q7NQK6
GenBank Nucleotide #	NC_005085.1
NCBI Official Full Name	hypothetical protein CV_4131
NCBI Official Symbol	CV_4131
UniProt Protein Name	tRNA 2-thiocytidine biosynthesis protein TtcA
Protein Family	tRNA 2-thiocytidine biosynthesis protein
UniProt Gene Name	ttcA
UniProt Synonym Gene Names	CV_4131
UniProt Entry Name	TTCA_CHRVO
NCBI Protein Information	hypothetical protein
UniProt Comments for ttcA	Required for the thiolation of cytidine in position 32 of tRNA, to form 2-thiocytidine (s2C32).
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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