Trna 2-Thiocytidine Biosynthesis Protein Ttca (ttcA) Citrobacter Koseri Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA 2-thiocytidine biosynthesis protein TtcA (ttcA), Recombinant Protein
Full Product Name	Recombinant Citrobacter koseri tRNA 2-thiocytidine biosynthesis protein TtcA (ttcA)
Product Gene Name	ttcA recombinant protein
Sequence	MSQNQDISKK EQYNLNKLQK RLRRNVGEAI ADFNMIEEGD RIMVCLSGGK DSYTMLEILR NLQQSAPVNF SLVAVNLDQK QPGFPEHILP EYLENLGVEY KIVEENTYGI VKEKIPEGKT TCSLCSRLRR GILYRTATEL GATKIALGHH RDDILQTLFL NMFYGGKMKG MPPKLMSDDG KHIVIRPLAY CREKDIERFS EAKAFPIIPC NLCGSQPNLQ RQVIADMLRD WDKRYPGRIE TMFSAMQNVV PSHLSDINLF DFKGINHDSD VVDGGDLAFD REEIPLQPAG WQPEEDDNQL DELRLNVVEV K
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	35,503 Da
Sequence Positions	1-311, 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 A8AGE0
Species	Citrobacter koseri (strain BAA-895 / CDC 4225-83 / SGSC4696)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ttcA recombinant protein	MBS1166117 is a recombinant protein targeting ttcA. Also known as Recombinant Citrobacter koseri 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 #	501081701
NCBI Accession #	WP_012132294.1
UniProt Primary Accession #	A8AGE0
GenBank Nucleotide #	WP_012132294.1
NCBI Official Full Name	tRNA 2-thiocytidine(32) synthetase TtcA

UniProt Protein Name	tRNA-cytidine(32) 2-sulfurtransferase
UniProt Synonym Protein Names	Two-thiocytidine biosynthesis protein A
Protein Family	tRNA 2-thiocytidine biosynthesis protein
UniProt Gene Name	ttcA
UniProt Comments for ttcA	Catalyzes the ATP-dependent 2-thiolation of cytidine in position 32 of tRNA, to form 2-thiocytidine (s2C32). The sulfur atoms are provided by the cysteine/cysteine desulfurase (IscS) system.
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