CCA-Adding Enzyme (cca) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	CCA-adding enzyme (cca), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus CCA-adding enzyme (cca)
Product Gene Name	cca recombinant protein
Product Synonym Gene Name	cca
Sequence	MDKSLFEQAR PILEQIQDNG FEAYYVGGSV RDYVMGRNIH DIDITTSATP DEIESIFSHT IPVGKEHGTI NVVFNDENYE VTTFRAEEDY VDHRRPSGVT FVRDLYEDLQ RRDFTMNAIA MDTAYKLYDY FDGQQDINNR IIRTVGIAEE RFQEDALRMI RCLRFQSQLS FDIATETFEA MRIQMADIKF LSIERIVIEL TKLMRGINVE KSFNHLKSLK AFNYMPYFEH LDMNQINVTE AIDLELLIAI VSVKFDINYS LKPLKLSNRQ VKDINQYIQI MNALPSIITK EQLKMFVYDY DTHLIKNVMV AADVIKANDI QGHEPLIVNL QTIDETLHRL PMHNRKDMMV NGGVLMAHLN AKSGPWLKDV LRQIEIAIVT GKVSNEETEI LKWVDNHVKI
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	46,436 Da
Sequence Positions	1-400, 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 Q6G9A5
Species	Staphylococcus aureus (strain MSSA476)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cca recombinant protein	MBS1311596 is a recombinant protein targeting cca. Also known as Recombinant Staphylococcus aureus CCA-adding enzyme (cca). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cca 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 cca. It may not necessarily be applicable to this product.

NCBI GI #	446283688
NCBI Accession #	WP_000361543.1
UniProt Primary Accession #	Q6G9A5
GenBank Nucleotide #	WP_000361543.1

NCBI Official Full Name	MULTISPECIES: CCA-adding enzyme
UniProt Protein Name	CCA-adding enzyme
UniProt Synonym Protein Names	CCA tRNA nucleotidyltransferase
Protein Family	CCA-adding enzyme
UniProt Gene Name	cca
UniProt Comments for cca	Catalyzes the addition and repair of the essential 3'-terminal CCA sequence in tRNAs without using a nucleic acid template. Adds these three nucleotides in the order of C, C, and A to the tRNA nucleotide-73, using CTP and ATP as substrates and producing inorganic pyrophosphate.
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