Heme A Synthase (ctaA) Rhodobacter Sphaeroides Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heme A synthase (ctaA), Recombinant Protein
Full Product Name	Recombinant Rhodobacter sphaeroides Heme A synthase (ctaA), partial
Product Gene Name	ctaA recombinant protein
Sequence	MAVKKRSIFE EVGQGAKAPV PQGGSIDRGH GGARRGIRLW LMALFLLVMA MIVVGGLTRL TESGLSITEW RPVTGAVPPL NETQWAAEFD KYRDSPQYRL MNAGMTLAEF QRIYWWEWGH RQLGRVIGLV WAVGFLGFLA ARRIPRGWWP RLLALGALGG LQGGIGWWMV ASGLEGDKVT VESTRLATHL GLAFIILGLI AWQALLLGRS ESDLLQARRQ KEGRLVTLTT VLIGVAFLQI VLGALVAGID AGRGFPTWPD MNGTFLPADM FYVPGVETDW RNPAWWLGLL QNPGFVQFLH RMAGYALAAL GLIFWIFGRR SRHRATRGAF DLLAMALLAQ ILLGVGTVLS AAEWQVAIAH QVGAVVIWVL ILHARHLALY PRVGSIRKGT L
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	43,063 Da
Sequence Positions	1-391
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 B9KW13
Species	Rhodobacter sphaeroides (strain KD131 / KCTC 12085)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ctaA recombinant protein	MBS1086198 is a recombinant protein targeting ctaA. Also known as Recombinant Rhodobacter sphaeroides Heme A synthase (ctaA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ctaA 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 ctaA. It may not necessarily be applicable to this product.

NCBI GI #	501791104
NCBI Accession #	WP_012640809.1
UniProt Primary Accession #	B9KW13
GenBank Nucleotide #	WP_012640809.1
NCBI Official Full Name	heme A synthase

UniProt Protein Name	Heme A synthase
UniProt Synonym Protein Names	Cytochrome aa3-controlling protein
Protein Family	Heme A synthase
UniProt Gene Name	ctaA
UniProt Synonym Gene Names	HAS
UniProt Comments for ctaA	Catalyzes the oxidation of the C8 methyl side group on heme O porphyrin ring into a formyl group.
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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