Heme A Synthase (Ctaa) (SAHV_1107) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heme A synthase (ctaA) (SAHV_1107), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Heme A synthase (ctaA)
Product Gene Name	SAHV_1107 recombinant protein
Product Synonym Gene Name	ctaA
Product Synonym Names	Recombinant Heme A synthase (ctaA); Heme A synthase; HAS EC= 1.3.-.-; Cytochrome aa3-controlling protein
Sequence	MFGKKNLKWL GVVATLMMTF VQLGGALVTK TGSADGCGSS WPLCHGALIP EFFPIDTIIE LSHRAVSALS LLMVLWLVIT AWKHIGYIKE IKPLSIISVG FLLLQALIGA AAVIWQQNDY VLALHFGISL ISFSSVFLIT LIIFSIDQKY EADELYIKKP LRRLTWLMAI IIYCGVYTGA LVRHADASLA YGGWPLPFHD LVPHSEQDWV QLTHRIMAFI VFTIIMITYI HAVKNYPNNR TVHYGYTAAF ILVILQVITG ALSIMTNVNL IIALFHALFI TYLFGMTTYF IMLMLRSVRS DKQ
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	34,060 Da
Sequence Positions	1-303
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.
Chromosome Location	NC_009782.1 (1172563..1173474, complement)
3D Structure	ModBase 3D Structure for A7X127
Species	Staphylococcus aureus (strain Mu3 / 700698)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SAHV_1107 recombinant protein	MBS1079499 is a recombinant protein targeting SAHV_1107. Also known as Recombinant Staphylococcus aureus Heme A synthase (ctaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SAHV_1107 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 SAHV_1107. It may not necessarily be applicable to this product.

NCBI GI #	156979438
NCBI GeneID	5559577
NCBI Accession #	YP_001441697.1

UniProt Primary Accession #	A7X127
UniProt Related Accession #	A7X127
GenBank Nucleotide #	NC_009782.1
NCBI Official Full Name	hypothetical protein SAHV_1107
NCBI Official Symbol	SAHV_1107
UniProt Protein Name	Heme A synthase
UniProt Synonym Protein Names	Cytochrome aa3-controlling protein
UniProt Gene Name	ctaA
UniProt Synonym Gene Names	HAS
UniProt Entry Name	CTAA_STAA1
NCBI Protein Information	hypothetical protein
UniProt Comments for SAHV_1107	Function: Catalyzes the oxidation of the C8 methyl side group on heme O porphyrin ring into a formyl group By similarity. HAMAP-Rule MF_01664 Pathway: Porphyrin metabolism; heme A biosynthesis; heme A from heme O: step 1/1. HAMAP-Rule MF_01664 Subunit structure: Interacts with CtaB By similarity. HAMAP-Rule MF_01664 Subcellular location: Cell membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01664. Sequence similarities: Belongs to the COX15/CtaA family. Type 1 subfamily.
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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