Protoheme IX Farnesyltransferase (ctaB) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protoheme IX farnesyltransferase (ctaB), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Protoheme IX farnesyltransferase (ctaB), partial
Product Gene Name	ctaB recombinant protein
Sequence	MSKEHTLSQN ISRVNFKELQ QIIKMGLVQG NLIPAFAGAW LAVVMTNHSF LSSIPQILLM LFGSTLIMGG ACALNNYYDQ DIDRIMPSKQ NRPTVNNRIT DQNLLLLSFG MMLVGEICLF LLNIPSGVLG LMGIVGYVSY YSIWSKRHTT WNTVIGSFPG AVPPLIGWVA IEGQISLTAI ALFLVVFCWQ PIHFYALAIK RKDEYALANI PMLPSVKGFK RTRVSMFIWL IILLPVPLLL INLGVVFVVL ATLLNLGWIA LGLTTFKKNS DQTKWATQMF IYSLNYLVIF FVLAVIVSLL TLI
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	33,859 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.
3D Structure	ModBase 3D Structure for A5IS03
Species	Staphylococcus aureus (strain JH9)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ctaB recombinant protein	MBS1257668 is a recombinant protein targeting ctaB. Also known as Recombinant Staphylococcus aureus Protoheme IX farnesyltransferase (ctaB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ctaB 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 ctaB. It may not necessarily be applicable to this product.

NCBI GI #	445953546
NCBI Accession #	WP_000031401.1
UniProt Primary Accession #	A5IS03
GenBank Nucleotide #	WP_000031401.1
NCBI Official Full Name	MULTISPECIES: protoheme IX farnesyltransferase
UniProt Protein Name	Protoheme IX farnesyltransferase

UniProt Synonym Protein Names	Heme B farnesyltransferase
UniProt Gene Name	ctaB
UniProt Comments for ctaB	Converts heme B (protoheme IX) to heme O by substitution of the vinyl group on carbon 2 of heme B porphyrin ring with a hydroxyethyl farnesyl side 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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