Lipoyl Synthase, Mitochondrial (AGR231C) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipoyl synthase, mitochondrial (AGR231C), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii Lipoyl synthase, mitochondrial (AGR231C)
Product Gene Name	AGR231C recombinant protein
Product Synonym Names	Lipoyl synthase, mitochondrial; EC=2.8.1.8; Lipoate synthase; LS; Lip-syn; Lipoic acid synthase
Sequence	RMTEFTDK LNKGPSFEDF LTGKAAQMTL DPLEEARQNA EESKKLPAWL KVPIPKGKNF HKLKEDVRDL KLSTVCEEAK CPNIGECWGG NKGSATATIM LLGDTCTRGC RFCSVKTNRT PAKPDPKEPE NTAEAISRWG LGYVVLTMVD RDDLPDGGAH HLAETVQRIK QKAPHILVET LAGDFRGNLE MVDVMARSGL DVYAHNVETV EALTPHVRDR RATYQQSLSV LKRAKQTVPT LVTKTSIMLG MGETDEQVLQ TMKDLRAVDC DVVTFGQYMR PTRRHMKVVE YVKPEKFDYW KEKALELGFL YCASGPLVRS SYKAGEAYIE NVLRNRRQA
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	41,501 Da
Sequence Positions	33-369aa; 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 Q74ZH6
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AGR231C recombinant protein	MBS1367591 is a recombinant protein targeting AGR231C. Also known as Recombinant Ashbya gossypii Lipoyl synthase, mitochondrial (AGR231C). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AGR231C 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 AGR231C. It may not necessarily be applicable to this product.

NCBI GI #	45201327
NCBI GeneID	4623199
NCBI Accession #	NP_986897.1
UniProt Primary Accession #	Q74ZH6

UniProt Related Accession #	Q74ZH6
GenBank Nucleotide #	NM_211959.1
NCBI Official Full Name	AGR231Cp
NCBI Official Symbol	AGOS_AGR231C
UniProt Protein Name	Lipoyl synthase, mitochondrial
UniProt Synonym Protein Names	Lipoate synthase; Lipoic acid synthase
UniProt Gene Name	AGR231C
UniProt Synonym Gene Names	Lip-syn
UniProt Entry Name	LIPA_ASHGO
NCBI Protein Information	AGR231Cp
UniProt Comments for AGR231C	Catalyzes the radical-mediated insertion of two sulfur atoms into the C-6 and C-8 positions of the octanoyl moiety bound to the lipoyl domains of lipoate-dependent enzymes, thereby converting the octanoylated domains into lipoylated derivatives.
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