Lipoyl Synthase, Mitochondrial (Deha2g18854g) (DEHA2G18854g) Debaryomyces Hansenii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipoyl synthase, mitochondrial (DEHA2G18854g), Recombinant Protein
Full Product Name	Recombinant Debaryomyces hansenii Lipoyl synthase, mitochondrial (DEHA2G18854g)
Product Gene Name	DEHA2G18854g recombinant protein
Product Synonym Names	Lipoyl synthase, mitochondrial; EC=2.8.1.8; Lipoate synthase; LS; Lip-syn; Lipoic acid synthase
Sequence	PARIYR TLATADTSGI NEQAKPKTKR KKTVFSDSLN KGPSFEDFVN GKAADMLVDP LEAARQDPNQ RLPKWLKVPI PKGKSFNNLK NDVRELKLAT VCEEAKCPNI GECWGGKKSE ATATIMLMGD TCTRGCRFCS VKTSRAPAKP DPMEPENTAE AISRWGLGYV VLTTVDRDDL VDGGANHLAE TVRKIKEKAP QILVEVLGGD FRGDLDMAAI LARSGLDVYA HNIETVEALT PYVRDRRATY RQSLSILNKA KETKPSLVTK TSLMLGFGET DEQIMQTLKD LREIKCDVVT FGQYMRPTKR HMKVVDYVKP EKFDYWRDTA LQMGFLYVAS GPLVRSSYKA GEAFIENVIR KRRHNVGETP RLAQEVNPKI ISQSI
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	44,126 Da
Sequence Positions	15-395aa; 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 B5RUV1
Species	Debaryomyces hansenii (strain 36239 / CBS 767 / JCM 1990 / NBRC 0083 / IGC 2968) (Yeast) (Torulaspora hansenii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DEHA2G18854g recombinant protein	MBS1215414 is a recombinant protein targeting DEHA2G18854g. Also known as Recombinant Debaryomyces hansenii Lipoyl synthase, mitochondrial (DEHA2G18854g). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DEHA2G18854g 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 DEHA2G18854g. It may not necessarily be applicable to this product.

NCBI GI #	294659919
NCBI GeneID	8999246

NCBI Accession #	XP_002770663.1
UniProt Primary Accession #	B5RUV1
UniProt Related Accession #	B5RUV1
GenBank Nucleotide #	XM_002770617.1
NCBI Official Full Name	DEHA2G18854p
NCBI Official Symbol	DEHA2G18854g
UniProt Protein Name	Lipoyl synthase, mitochondrial
UniProt Synonym Protein Names	Lipoate synthase; Lipoic acid synthase
UniProt Gene Name	DEHA2G18854g
UniProt Synonym Gene Names	Lip-syn
UniProt Entry Name	LIPA_DEBHA
NCBI Protein Information	DEHA2G18854p
UniProt Comments for DEHA2G18854g	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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