Succinate Dehydrogenase Assembly Factor 2, Mitochondrial (EMI5) Yarrowia Lipolytica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinate dehydrogenase assembly factor 2, mitochondrial (EMI5), Recombinant Protein
Full Product Name	Recombinant Yarrowia lipolytica Succinate dehydrogenase assembly factor 2, mitochondrial (EMI5)
Product Gene Name	EMI5 recombinant protein
Product Synonym Gene Name	EMI5; SDH5; YALI0F11957g
Product Synonym Names	Succinate dehydrogenase assembly factor 2, mitochondrial; SDH assembly factor 2; Early meiotic induction protein 5; Succinate dehydrogenase subunit 5, mitochondrial
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	17,142 Da
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 Q6C202
Species	Yarrowia lipolytica (strain CLIB 122 / E 150) (Yeast) (Candida lipolytica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EMI5 recombinant protein	MBS1311416 is a recombinant protein targeting EMI5. Also known as Recombinant Yarrowia lipolytica Succinate dehydrogenase assembly factor 2, mitochondrial (EMI5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of EMI5 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 EMI5. It may not necessarily be applicable to this product.

NCBI GI #	50555804
NCBI GeneID	2908266
NCBI Accession #	XP_505310.1
UniProt Primary Accession #	Q6C202
UniProt Related Accession #	Q6C202
GenBank Nucleotide #	XM_505310.1
NCBI Official Full Name	YALI0F11957p

NCBI Official Symbol	YALI0F11957g
UniProt Protein Name	Succinate dehydrogenase assembly factor 2, mitochondrial
UniProt Synonym Protein Names	Early meiotic induction protein 5; Succinate dehydrogenase subunit 5, mitochondrial
UniProt Gene Name	EMI5
UniProt Synonym Gene Names	SDH assembly factor 2
UniProt Entry Name	SDHF2_YARLI
NCBI Protein Information	YALI0F11957p
UniProt Comments for EMI5	Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Required for flavinylation (covalent attachment of FAD) of the flavoprotein subunit of the SDH catalytic dimer.
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