Succinate Dehydrogenase Assembly Factor 1, Mitochondrial (SDHAF1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinate dehydrogenase assembly factor 1, mitochondrial (Sdhaf1), Recombinant Protein
Full Product Name	Recombinant Rat Succinate dehydrogenase assembly factor 1, mitochondrial (Sdhaf1)
Product Gene Name	Sdhaf1 recombinant protein
Sequence	MSRLSRLQRQ VLSLYRELLR AGRGKPGAEA RVRAEFRQHA SLPRSDVLRI EYLYRRGRRQ LQLLRSGHAT AMGTFVRPRG PTEEPVDATA PGNRLDDSDA LKNPCEGTGA RETRSDGR
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	13,312 Da
Sequence Positions	1-118, 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 B0K036
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Sdhaf1 recombinant protein	MBS1158362 is a recombinant protein targeting Sdhaf1. Also known as Recombinant Rat Succinate dehydrogenase assembly factor 1, mitochondrial (Sdhaf1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Sdhaf1 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 Sdhaf1. It may not necessarily be applicable to this product.

NCBI GI #	295148058
NCBI GeneID	499125
NCBI Accession #	NP_001171158.1
UniProt Primary Accession #	B0K036
UniProt Related Accession #	B0K036
GenBank Nucleotide #	NM_001177687.1
NCBI Official Full Name	succinate dehydrogenase assembly factor 1, mitochondrial

NCBI Official Synonym Full Names	succinate dehydrogenase complex assembly factor 1
NCBI Official Symbol	Sdhaf1
NCBI Official Synonym Symbols	Lyrm8; RGD1562079
UniProt Protein Name	Succinate dehydrogenase assembly factor 1, mitochondrial
UniProt Synonym Protein Names	LYR motif-containing protein 8
UniProt Gene Name	Sdhaf1
UniProt Synonym Gene Names	SDHAF1
NCBI Protein Information	succinate dehydrogenase assembly factor 1, mitochondrial
UniProt Comments for Sdhaf1	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. Promotes maturation of the iron-sulfur protein subunit Sdhb of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF3.
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