Succinate Dehydrogenase [Ubiquinone] Flavoprotein Subunit 1, Mitochondrial (SDH1-1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinate dehydrogenase [ubiquinone] flavoprotein subunit 1, mitochondrial (SDH1-1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Succinate dehydrogenase [ubiquinone] flavoprotein subunit 1, mitochondrial (SDH1-1) , partial
Product Gene Name	SDH1-1 recombinant protein
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	69,656 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 O82663
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SDH1-1 recombinant protein	MBS1259790 is a recombinant protein targeting SDH1-1. Also known as Recombinant Arabidopsis thaliana Succinate dehydrogenase [ubiquinone] flavoprotein subunit 1, mitochondrial (SDH1-1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SDH1-1 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 SDH1-1. It may not necessarily be applicable to this product.

NCBI GI #	15240075
NCBI GeneID	836809
NCBI Accession #	NP_201477.1
UniProt Primary Accession #	O82663
UniProt Related Accession #	O82663
GenBank Nucleotide #	NM_126074.3
NCBI Official Full Name	succinate dehydrogenase 1-1
NCBI Official Symbol	SDH1-1

NCBI Official Synonym Symbols	MSN2.16; MSN2_16; succinate dehydrogenase 1-1
UniProt Protein Name	Succinate dehydrogenase [ubiquinone] flavoprotein subunit 1, mitochondrial
UniProt Synonym Protein Names	Flavoprotein subunit 1 of complex II; FP
Protein Family	Succinate dehydrogenase
UniProt Gene Name	SDH1-1
UniProt Synonym Gene Names	FP
NCBI Protein Information	succinate dehydrogenase 1-1
NCBI Summary for SDH1-1	One of two genes in Arabidopsis that encode a flavoprotein subunit of the mitochondrial succinate dehydrogenase complex.
UniProt Comments for SDH1-1	Flavoprotein (FP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).
Research Articles on SDH1-1	**1.** Data sugggest that salicylic acid (SA) acts at or near the ubiquinone binding site of mitochondrial succinate dehydrogenase (SDH) to stimulate activity and contributes to plant stress signaling by increased rates of mitochondrial H2O2 production.
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