Ferredoxin-1, Chloroplastic (ADI1) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ferredoxin-1, chloroplastic (ADI1), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica Ferredoxin-1, chloroplastic (ADI1)
Product Gene Name	ADI1 recombinant protein
Product Synonym Gene Name	ADI1
Sequence	ATYNVKLITP DGEVELQVPD DVYILDQAEE EGIDLPYSCR AGSCSSCAGK VVSGEIDQSD QSFLDDDQVA AGWVLTCHAY PKSDVVIETH KEDDLI
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	14,951 Da
Sequence Positions	44-139, 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 Q0J8M2
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ADI1 recombinant protein	MBS1349889 is a recombinant protein targeting ADI1. Also known as Recombinant Oryza sativa subsp. japonica Ferredoxin-1, chloroplastic (ADI1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ADI1 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 ADI1. It may not necessarily be applicable to this product.

NCBI GI #	1002292148
NCBI GeneID	4344439
NCBI Accession #	XP_015650415.1
UniProt Primary Accession #	Q0J8M2
UniProt Secondary Accession #	O22382; P11051; Q40683; Q6ZJN6; Q8S9N2; B7F4N2
UniProt Related Accession #	Q0J8M2

GenBank Nucleotide #	XM_015794929.1
NCBI Official Full Name	ferredoxin-1, chloroplastic
NCBI Official Symbol	LOC4344439
NCBI Official Synonym Symbols	ADI1; OsJ_024720; ferredoxin; OJ1300_E01.1
UniProt Protein Name	Ferredoxin-1, chloroplastic
UniProt Synonym Protein Names	Anti-disease protein 1; Ferredoxin I
Protein Family	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase
UniProt Gene Name	ADI1
NCBI Protein Information	ferredoxin-1, chloroplastic
UniProt Comments for ADI1	Ferredoxins are iron-sulfur proteins that transfer electrons in a wide variety of metabolic reactions.
Research Articles on ADI1	**1.** The rice ADI1 transgenic Arabidopsis plants enhanced tolerance and degradation efficiency of naphthalene. Compared with wild-type plants.
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