NADH-Ubiquinone Oxidoreductase Chain 3 (ND3) (nad3) Raphanus Sativus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH-ubiquinone oxidoreductase chain 3 (ND3) (nad3), Recombinant Protein
Full Product Name	Recombinant Raphanus sativus NADH-ubiquinone oxidoreductase chain 3 (ND3)
Product Gene Name	nad3 recombinant protein
Product Synonym Gene Name	ND3; NAD3
Product Synonym Names	Recombinant NADH-ubiquinone oxidoreductase chain 3 (ND3); NADH-ubiquinone oxidoreductase chain 3 EC= 1.6.5.3; NADH dehydrogenase subunit 3
Sequence	MMLEFAPIFI YLVISLLVSL ILLGVPFLFA SNSSTYPEKL SAYECGFDPF GDARSRFDIR FYLVSILFLI FDLEVTFFFP WAVSLNKIDL FGFWSMMAFL FILTIGFLYE WKRGALDWE
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	13,935 Da
Sequence Positions	1-119
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.
Chromosome Location	Chromosome: MT; NC_018551.1 (130422..130778, complement)
3D Structure	ModBase 3D Structure for P68159
Species	Raphanus sativus (Radish)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nad3 recombinant protein	MBS1254112 is a recombinant protein targeting nad3. Also known as Recombinant Raphanus sativus NADH-ubiquinone oxidoreductase chain 3 (ND3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nad3 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 nad3. It may not necessarily be applicable to this product.

NCBI GI #	404481662
NCBI GeneID	13630152
NCBI Accession #	YP_006665996.1
UniProt Primary Accession #	P68159

UniProt Secondary Accession #	P48908
UniProt Related Accession #	S70000
GenBank Nucleotide #	NC_018551.1
NCBI Official Full Name	NADH dehydrogenase subunit 3 (mitochondrion)
NCBI Official Symbol	nad3
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 3
UniProt Synonym Protein Names	NADH dehydrogenase subunit 3
UniProt Gene Name	ND3
UniProt Synonym Gene Names	NAD3
UniProt Entry Name	NU3M_RAPSA
NCBI Protein Information	NADH dehydrogenase subunit 3
UniProt Comments for nad3	Function: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone By similarity. Catalytic activity: NADH + ubiquinone = NAD+ + ubiquinol. Subcellular location: Mitochondrion membrane; Multi-pass membrane protein By similarity. Sequence similarities: Belongs to the complex I subunit 3 family. RNA editing: Edited at positions 3, 9, 28, 50, 71, 84, 85, 116 and 118.By similarity. Sequence caution: The sequence AAB18648.1 differs from that shown. Reason: Erroneous initiation. The sequence AAB18650.1 differs from that shown. Reason: Erroneous initiation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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