NADH Dehydrogenase [Ubiquinone] 1 Alpha Subcomplex Subunit 10, Mitochondrial (NDUFA10) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial (NDUFA10), Recombinant Protein
Full Product Name	Recombinant Human NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial (NDUFA10)
Product Gene Name	NDUFA10 recombinant protein
Sequence	LRYGMWHFLL GDKASKRLTE RSRVITVDGN ICTGKGKLAK EIAEKLGFKH FPEAGIHYPD STTGDGKPLA TDYNGNCSLE KFYDDPRSND GNSYRLQSWL YSSRLLQYSD ALEHLLTTGQ GVVLERSIFS DFVFLEAMYN QGFIRKQCVD HYNEVKSVTI CDYLPPHLVI YIDVPVPEVQ RRIQKKGDPH EMKITSAYLQ DIENAYKKTF LPEMSEKCEV LQYSAREAQD SKKVVEDIEY LKFDKGPWLK QDNRTLYHLR LLVQDKFEVL NYTSIPIFLP EVTIGAHQTD RVLHQFRELP GRKYSPGYNT EVGDKWIWLK
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	48,563 Da
Sequence Positions	36-355, 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.
OMIM	256000
3D Structure	ModBase 3D Structure for O95299
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NDUFA10 recombinant protein	This protein belongs to the complex I 42kDA subunit family. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. This protein is a component of the hydrophobic protein fraction and has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain.
Other Notes	Small volumes of NDUFA10 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.
Searchable Terms for NDUFA10 purchase	MBS1258743 is a recombinant protein targeting NDUFA10. Also known as Recombinant Human NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial (NDUFA10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFA10. It may not necessarily be applicable to this product.

NCBI GI #	4758768
NCBI GeneID	4705
NCBI Accession #	NP_004535.1
UniProt Primary Accession #	O95299
UniProt Secondary Accession #	Q8WXC9
UniProt Related Accession #	O95299
GenBank Nucleotide #	NM_004544.3
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit A10
NCBI Official Symbol	NDUFA10
NCBI Official Synonym Symbols	CI-42k; CI-42KD
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial
UniProt Synonym Protein Names	Complex I-42kD; CI-42kD; NADH-ubiquinone oxidoreductase 42 kDa subunit
Protein Family	NADH dehydrogenase
UniProt Gene Name	NDUFA10
UniProt Synonym Gene Names	CI-42kD
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial
NCBI Summary for NDUFA10	The protein encoded by this gene is a component of 42 kDa complex I, the first enzyme complex in the electron transport chain of mitochondria. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. A mutation in this gene was found in an individual with Leigh syndrome. [provided by RefSeq, Apr 2016]
UniProt Comments for NDUFA10	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.
Research Articles on NDUFA10	**1.** NDUFA10 was found to be differentially methylated and expressed in human squamous cell carcinomas.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.