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

PRODUCT OVERVIEW

Product Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial (Ndufa10), Recombinant Protein
Full Product Name	Recombinant Rat NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial (Ndufa10)
Product Gene Name	Ndufa10 recombinant protein
Product Synonym Gene Name	Ndufa10
Sequence	LRYGLLASIL GDKTTKKLHE YSRVITVDGN ICSGKNKLAR DIAEQLGMKH YPEAGIQYSS STTGDGRPLD IEFSGSCSLE KFYDNPKSND GNSYRLQSWL YASRLLQYSD ALEHLLSTGQ GVVLERSIYS DFVFLEAMYN QGFIRKQCVD HYNEIKRLTL PEYLPPHAVI YIDVPVSEIQ SRIQKKGDPH EMKVTSAYLQ DIEDAYKKTF LPKMSEICEV LVYSSWEAED STKVVEDIEY LNYNKGPWLK QDDRTFHNLR MLVQDKREVL NYTTVPVYLP EITIGAHQGS RIYDSFRELP GRKYAPGYNA DVGDKWIWLK
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	40,493 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.
3D Structure	ModBase 3D Structure for Q561S0
Species	Rat
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	MBS1484858 is a recombinant protein targeting Ndufa10. Also known as Recombinant Rat 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 #	32996721
NCBI GeneID	316632
NCBI Accession #	NP_872612.1
UniProt Primary Accession #	Q561S0
UniProt Secondary Accession #	Q80WE0
GenBank Nucleotide #	NM_182671.2
NCBI Official Full Name	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 10-like
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 10-like 1
NCBI Official Symbol	Ndufa10l1
NCBI Official Synonym Symbols	Ndufa10
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 10-like
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.
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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