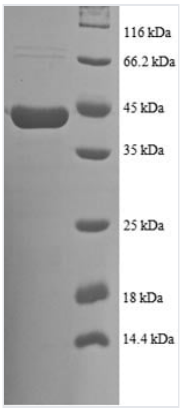
NADH Dehydrogenase [Ubiquinone] 1 Beta Subcomplex Subunit 7 (NDUFB7) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7 (NDUFB7), Recombinant Protein
Full Product Name	Recombinant Human NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7
Product Gene Name	NDUFB7 recombinant protein
Product Synonym Names	Cell adhesion protein SQM1; Complex I-B18; CI-B18; NADH-ubiquinone oxidoreductase B18 subunit
Sequence	GAHLVRRYLG DASVEPDPLQ MPTFPPDYGF PERKEREMVA TQQEMMDAQL RLQLRDYCAH HLIRLLKCKR DSFPNFLACK QERHDWDYCE HRDYVMRMKE FERERRLLQR KKRREKKAAE LAKGQGPGEV DPKVAL
Host	E Coli
Form/Format	Liquid containing glycerol
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, conserve at -20 degree C or -80 degree C.
Molecular Weight	43.3 kDa
Sequence Positions	2-137aa; Full Length
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	603842
3D Structure	ModBase 3D Structure for P17568
Product Categories/Family for NDUFB7 recombinant protein	Transport
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NDUFB7 recombinant protein	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.
Product References and Citations for NDUFB7 recombinant protein	cDNA cloning of a novel cell adhesion protein expressed in human squamous carcinoma cells.Wong Y.-C., Tsao S.-W., Kakefuda M., Bernal S.D.Biochem. Biophys. Res. Commun. 166:984-992(1990)
Other Notes	Small volumes of NDUFB7 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 NDUFB7 purchase	MBS1265537 is a recombinant protein targeting NDUFB7. Also known as Recombinant Human NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7. Host: E Coli.



SDS-PAGE of NDUFB7 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFB7. It may not necessarily be applicable to this product.

NCBI GI #	10764847
NCBI GeneID	4713
NCBI Accession #	NP_004137.2
UniProt Primary Accession #	P17568
UniProt Secondary Accession #	Q6ICN9; Q9UI16
UniProt Related Accession #	P17568
GenBank Nucleotide #	NM_004146.5
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit B7
NCBI Official Symbol	NDUFB7
NCBI Official Synonym Symbols	B18; CI-B18
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7
UniProt Synonym Protein Names	Cell adhesion protein SQM1; Complex I-B18; CI-B18; NADH-ubiquinone oxidoreductase B18 subunit
Protein Family	NADH dehydrogenase
UniProt Gene Name	NDUFB7
UniProt Synonym Gene Names	CI-B18
UniProt Entry Name	NDUB7_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7
NCBI Summary for NDUFB7	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It is located at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. [provided by RefSeq, Jul 2008]

UniProt Comments for NDUFB7	NDUFB7: 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. Belongs to the complex I NDUFB7 subunit family. Protein type: Mitochondrial; EC 1.6.5.3; EC 1.6.99.3; Energy Metabolism - oxidative phosphorylation; Oxidoreductase Chromosomal Location of Human Ortholog: 19p13.12 Cellular Component: mitochondrial inner membrane; mitochondrial intermembrane space; mitochondrial respiratory chain complex I; mitochondrion Molecular Function: NADH dehydrogenase (ubiquinone) activity Biological Process: cellular metabolic process; mitochondrial electron transport, NADH to ubiquinone; mitochondrial respiratory chain complex I assembly
Research Articles on NDUFB7	**1.** Intra-molecular disulfide bridges and the inter-membrane space localization of three Cx(9)C-containing subunits in human: NDUFS5, NDUFB7 and NDUFA8, are proposed.
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