NDUFB6 cDNA Clone – NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 6, 17kDa (Human)

PRODUCT OVERVIEW

Product Name	NDUFB6, cDNA Clone
Full Product Name	NDUFB6 cDNA Clone
Product Gene Name	NDUFB6 cdna clone
Sequence	atgacggggt acactccgga tgagaaactg cggctgcagc agctgcgaga gctgagaagg cgatggctga aggaccagga gctgagccct cgggagccgg tgctgccccc acagaagatg gggcctatgg agaaattctg gaataaattt ttggagaata aatccccttg gaggaaaatg gtccatgggg tatacaaaaa gagtatcttt gttttcactc atgtacttgt acctgtctgg attattcatt attacatgaa gtatcatgtt tctgaaaaac catatggcat agttgaaaag aagtccagaa tattccctgg tgatacaatt ctggagactg gagaagtaat tccaccaatg aaagaatttc ctgatcaaca tcattaa
Molecular Weight	13,716 Da
OMIM	603322
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NDUFB6 cdna clone	MBS1268552 is a cDNA clone targeting NDUFB6.
Other Notes	Small volumes of NDUFB6 cdna clone 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 NDUFB6. It may not necessarily be applicable to this product.

NCBI GI #	14602576
NCBI GeneID	4712
NCBI Accession #	BC009801
UniProt Secondary Accession #	Q5VYT2; Q6IB84; A8K0Y7
UniProt Related Accession #	O95139
NCBI Official Full Name	Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa, mRNA
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit B6
NCBI Official Symbol	NDUFB6
NCBI Official Synonym Symbols	CI; B17
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6
UniProt Synonym Protein Names	Complex I-B17; CI-B17; NADH-ubiquinone oxidoreductase B17 subunit
Protein Family	NADH dehydrogenase
UniProt Gene Name	NDUFB6
UniProt Synonym Gene Names	CI-B17

UniProt Entry Name	NDUB6_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6
NCBI Summary for NDUFB6	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 locates 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. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jan 2011]
UniProt Comments for NDUFB6	NDUFB6: 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 NDUFB6 subunit family. Protein type: Mitochondrial; Membrane protein, integral; EC 1.6.99.3; EC 1.6.5.3; Oxidoreductase; Energy Metabolism - oxidative phosphorylation Chromosomal Location of Human Ortholog: 9p21.1 Cellular Component: mitochondrial inner membrane; mitochondrial membrane; mitochondrial respiratory chain complex I; mitochondrion; nucleoplasm Biological Process: mitochondrial electron transport, NADH to ubiquinone; mitochondrial respiratory chain complex I assembly
Research Articles on NDUFB6	**1.** we propose that NDUFB6 is a possible tumor suppressor of metastatic ccRCCs.
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