

Recombinant Human NDUFA10, T7-tagged

Cat. No. NDUFA10-832H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NDUFA10 was produced in E.coli with a T7 tag at N-terminus. MW = 40751 Da (1-355 aa).
Species	Human
Source	E.coli
ProteinLength	1-355 a.a.
Description	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial is an enzyme that in humans is encoded by the NDUFA10 gene. The protein encoded by this gene 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.
Form	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .
Purity	90%.
Clonality	N/A.
Applications	MS. SDS.

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GENE INFORMATION

Gene Name	NDUFA10 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa [Homo sapiens]
Synonyms	NDUFA10; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa; CI-42k; CI-42KD; MGC5103; FLJ21923; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial; complex I-42kD; OTTHUMP00000201634; OTTHUMP00000201635; complex I 42kDa subunit; NADH-ubiquinone oxidoreductase 42 kDa subunit; EC 1.6.5.3; EC 1.6.99.3; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD)
Gene ID	4705
mRNA Refseq	NM_004544
Protein Refseq	NP_004535
MIM	603835
UniProt ID	O95299
Chromosome Location	2q37.3
Pathway	Alzheimer"s disease; Huntington"s disease; Metabolic pathways; Oxidative phosphorylation; Parkinson"s disease
Function	ATP binding; NADH dehydrogenase (ubiquinone) activity; phosphotransferase activity, alcohol group as acceptor

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