

Recombinant Human NDUFA10, His-tagged

Cat. No. NDUFA10-28707TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 171-355 of Human NDUFA10 with N terminal His tag; MWt 24kDa;
Species	Human
Source	E.coli
ProteinLength	171-355 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 65 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	EAMYNQGFIRKQCVDHYNEVKSVTICDYLPPLHVIYIDVP VPEVQRRIQKKGDPHEM

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acids

KITSAYLQDIENAYKKTFLPE MSEKCEVLQYSAREAQDSKKVVEDIEYLKFDKGPWL
KQ DNRTLYHLRLLVQDKFEVLNYTSIPIFLPEVTIGAHQTDR VLHQFRELPGRKYSP
GYNTEVGDKWIWLK

GENE INFORMATION

Gene Name	NDUFA10 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa [Homo sapiens]
Official Symbol	NDUFA10
Synonyms	NDUFA10; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD); NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial; CI 42k; complex I 42kDa subunit;
Gene ID	4705
mRNA Refseq	NM_004544
Protein Refseq	NP_004535
MIM	603835
Uniprot ID	O95299
Chromosome Location	2q37.3
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons

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disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;

Function

ATP binding; NADH dehydrogenase (ubiquinone) activity; phosphotransferase activity, alcohol group as acceptor;

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