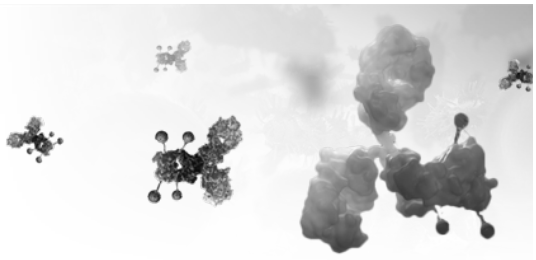

# Human NDUFS8 blocking peptide (CDBP1990)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | Blocking/Immunizing peptide for anti-NDUFS8 antibody |
| **Antigen Description** | This gene encodes a subunit of mitochondrial NADH:ubiquinone oxidoreductase, or Complex I, a multimeric enzyme of the respiratory chain responsible for NADH oxidation, ubiquinone reduction, and the ejection of protons from mitochondria. The encoded protein is involved in the binding of two of the six to eight iron-sulfur clusters of Complex I and, as such, is required in the electron transfer process. Mutations in this gene have been associated with Leigh syndrome. [provided by RefSeq, Mar 2010] |
| **Species** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | Apuri, BL, ELISA |
| **Format** | Lyophilized powder |
| **Size** | 100 µg |
| **Preservative** | None |
| **Storage** | Shipped at ambient temperature, store at -20°C. |

## GENE INFORMATION

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|---|---|
| **Gene Name** | NDUFS8 NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase) [ Homo sapiens ] |
| **Official Symbol** | NDUFS8 |
| **Synonyms** | NDUFS8; NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q |

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|---|---|
| | reductase); NADH dehydrogenase (ubiquinone) Fe S protein 8 (23kD) (NADH coenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial; CI 23k; complex I 23kDa subunit; NADH dehydrogenase [ubiquinone] iron sulfur protein 8; mitochondrial; TYKY; complex I-23kD; NADH-ubiquinone oxidoreductase 23 kDa subunit; CI-23k; CI23KD; |
| **Entrez Gene ID** | 4728 |
| **mRNA Refseq** | NM_002496 |
| **Protein Refseq** | NP_002487 |
| **UniProt ID** | O00217 |
| **Chromosome Location** | 11q13.2 |
| **Pathway** | Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; |
| **Function** | 4 iron, 4 sulfur cluster binding; contributes_to NADH dehydrogenase (ubiquinone) activity; NADH dehydrogenase (ubiquinone) activity; contributes_to NADH dehydrogenase activity; electron carrier activity; metal ion binding; oxidoreductase activity; |

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