

Recombinant Human NDUFA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFA2-2194H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFA2 MS Standard C13 and N15-labeled recombinant protein (NP_002479) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox processes. Mutations in this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder. Alternative splicing results in multiple transcript variants.
Molecular Mass	10.9 kDa
AA Sequence	MAAAAASRGVGAKLGLREIRIHL CQRSPGSQGV RDFIEKRYVELKKANPDLPI LIREC SDVQPKLWARYAFGQETNVPLNNFSADQVTRALENVLSGKATRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NDUFA2 NADH:ubiquinone oxidoreductase subunit A2 \[Homo sapiens \(human\) \]](#)

Official Symbol [NDUFA2](#)

Synonyms NDUFA2; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8); NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2; B8; complex I B8 subunit; NADH-ubiquinone oxidoreductase subunit CI-B8; CD14; CIB8;

Gene ID [4695](#)

mRNA Refseq [NM_002488](#)

Protein Refseq [NP_002479](#)

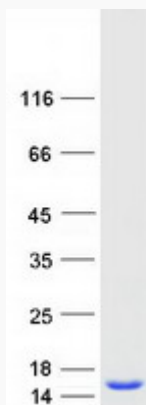
MIM [602137](#)

UniProt ID [O43678](#)

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SDS-PAGE

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