

Recombinant Mouse Ndufs1 Protein, Myc/DDK-tagged

Cat. No. Ndufs1-4344M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length NADH:ubiquinone oxidoreductase core subunit S1 (Ndufs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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. This is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized.
Molecular Mass	79.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ndufs1 NADH:ubiquinone oxidoreductase core subunit S1 [Mus musculus (house mouse)]
Official Symbol	Ndufs1
Synonyms	NDUFS1; NADH dehydrogenase (ubiquinone) Fe-S protein 1; NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial; CI-75kD; complex I-75kD; MGC7850; 5830412M15Rik; 9930026A05Rik; MGC19199
Gene ID	227197
mRNA Refseq	NM_145518
Protein Refseq	NP_663493
UniProt ID	Q91VD9

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