

Recombinant Human NDUFS6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFS6-2795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFS6 MS Standard C13 and N15-labeled recombinant protein (NP_004544) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders.
Molecular Mass	13.7 kDa
AA Sequence	MAAAMTFCRLLNRCGEAARSLPLGARCFGVRVSPTGEKVTHTGQVYDDKDYRRIRF VGRQKEVNENFAIDLIAEQPVSEVETRVIACDGGGGALGHPKVYINLDKETKTGTCTG YCGLQFRQHHTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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 [NDUFS6 NADH:ubiquinone oxidoreductase subunit S6 \[Homo sapiens \(human\) \]](#)

Official Symbol [NDUFS6](#)

Synonyms NDUFS6; NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 6 (13kD) (NADH coenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial; CI 13kA; complex I 13kDa subunit A; NADH dehydrogenase [ubiquinone] iron sulfur protein 6; mitochondrial; NADH:ubiquinone oxidoreductase NDUFS6 subunit; NADH-ubiquinone oxidoreductase 13 kDa-A subunit; complex I, mitochondrial respiratory chain, 13-kD subunit; CI-13kA; CI13KDA; CI-13kD-A;

Gene ID [4726](#)

mRNA Refseq [NM_004553](#)

Protein Refseq [NP_004544](#)

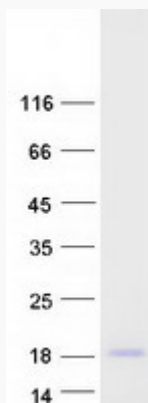
MIM [603848](#)

UniProt ID [O75380](#)

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SDS-PAGE

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