

Recombinant Human NDUFV2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDUFV2-6595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDUFV2 MS Standard C13 and N15-labeled recombinant protein (NP_066552) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19.
Molecular Mass	27.4 kDa
AA Sequence	MFFSAALRARAAGLTAHWGRHVRNLHKTVMQNGAGGALFVHRDTPENNPDPDF TPENYKRIEAIKKNYPEGHKAAAVLPVLDLAQRQNGWLPISAMNKVAEVLQVPPMRV YEVATFYTMYNRKPVGKYHIQVCTTTPCMLRNSDSILEAIQKKLGIVGETTPDKLFT LIEVECLGACVNPAPMVQINDNYYEDLTAKDIEEIIDELKAGKIPKPGPRSGRFSCEPAG GLTSLTEPPKPGPGFVQAGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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 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	NDUFV2 NADH:ubiquinone oxidoreductase core subunit V2 [Homo sapiens (human)]
Official Symbol	NDUFV2
Synonyms	NDUFV2; NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa; NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD); NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial; CI 24k; complex I 24kDa subunit; NADH dehydrogenase [ubiquinone] flavoprotein 2; mitochondrial; NADH-ubiquinone oxidoreductase 24 kDa subunit; NADH-ubiquinone oxidoreductase flavoprotein 2; complex I, mitochondrial respiratory chain, 24 kD subunit; NADH dehydrogenase ubiquinone flavoprotein 2, mitochondrial; nuclear-encoded mitochondrial NADH-ubiquinone reductase 24Kd subunit; CI-24k;
Gene ID	4729
mRNA Refseq	NM_021074

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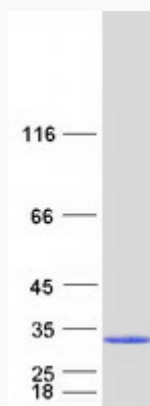
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Protein Refseq [NP_066552](#)

MIM [600532](#)

UniProt ID [P19404](#)

SDS-PAGE



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