

Recombinant Human NDUFV2

Cat. No. NDUFV2-29481TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NDUFV2 with a N terminal proprietary tag; Predicted MWt 53.46 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	249 amino acids
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 Parkinsons 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 Weight	53.460kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MFFSAALRARAAGLTAHWGRHVRNLHKTAMQNGAGGALFV HRDTPENNPDTPTFD FTPENYKRIEAIVKNYPEGHKAAAVL PVLDLAQRQNGWLPISAMNKVAEVLQVPPM RVYEVATFYT MYNRKPVGKYHIQVCTTTPCMLRNSDSILEAIQKKLGIKV GETTPDK LFTLIEVECLGACVNAPMVQINDNYYEDLTAKD IEEIIDELKAGKIPKPGPRSGRFSCE PAGGLTSLTEPPKG PGFGVQAGL
Sequence Similarities	Belongs to the complex I 24 kDa subunit family.
GENE INFORMATION	
Gene Name	NDUFV2 NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa [Homo sapiens]
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] flavoprot
Gene ID	4729
mRNA Refseq	NM_021074
Protein Refseq	NP_066552
MIM	600532

Uniprot ID	P19404
Chromosome Location	18p11.22
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;
Function	2 iron, 2 sulfur cluster binding; NAD binding; NADH dehydrogenase (ubiquinone) activity; NADH dehydrogenase (ubiquinone) activity; NADH dehydrogenase activity;

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