

## Product datasheet for **TP300653**

### NDUFV2 (NM\_021074) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa (NDUFV2), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200653 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MFFSAALRARAAGLTAHWGRHVRNLHKTVMQNGAGGALFVHRDTPENNPDPDFDTPENYKRIEAIKKNY  
PEGHKAAAVLPVLDLAQRQNGWLPISAMNKVAEVLQVPPMRVYEVATFYTMYNRKPVGKYHIQVCTTTPC  
MLRNSDSILEAIQKKGKIKVGETTPDKLFTLIEVECLGACVNAPMVQINDNYEDLTAKDIEEIIDELKA  
GKIPKPGPRSGRFSCEPAGGLTSLTEPPKPGFGVQAGL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	23.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_066552</a></u>
Locus ID:	4729



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UniProt ID: [P19404](#)

RefSeq Size: 937

Cytogenetics: 18p11.22

RefSeq ORF: 747

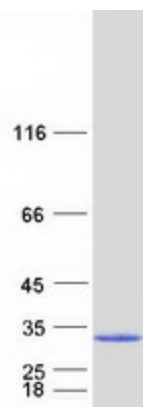
Synonyms: CI-24k; MC1DN7

**Summary:** 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. [provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

### Product images:



Coomassie blue staining of purified NDUFV2 protein (Cat# TP300653). The protein was produced from HEK293T cells transfected with NDUFV2 cDNA clone (Cat# [RC200653]) using MegaTran 2.0 (Cat# [TT210002]).