

## Product datasheet for **TP300061**

### NDUFA8 (NM\_014222) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa (NDUFA8), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200061 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MPGIVELPTLEELKVDEVKISSAVLKAAAHHYGAQCCKPNKEFMLCRWEEKDPRRCLEEGKLVNKCALDF FRQIKRHCAEPFTEYWTCIDYTGQQLFRHCRKQQAQKFDCEVLKLGWVRPDLGELSKVTKVKTDRLPEN PYHSRPRPDPSPEIEGDLQPATHGSRFYFWTK
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	19.9 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_055037</a></u>
Locus ID:	4702
UniProt ID:	<u><a href="#">P51970</a></u>



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RefSeq Size: 859

Cytogenetics: 9q33.2

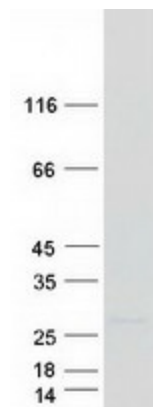
RefSeq ORF: 516

Synonyms: CI-19KD; CI-PGIV; MC1DN37; PGIV

**Summary:** The protein encoded by this gene belongs to the complex I 19 kDa subunit family. Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

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

### Product images:



Coomassie blue staining of purified NDUFA8 protein (Cat# TP300061). The protein was produced from HEK293T cells transfected with NDUFA8 cDNA clone (Cat# [RC200061]) using MegaTran 2.0 (Cat# [TT210002]).