

## Product datasheet for **TP302713**

### NDUFS4 (NM\_002495) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase) (NDUFS4), nuclear gene encoding mitochondrial protein, 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC202713 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAAVSMSWLRQTLWRRRAVAVAALSFSRVPTSLRTSSWRLAQDQTQDTQLITVDEKLDITTLTGVPPEE  
HIKTRKVRIFVPARNNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTFSTKEDAVSFAEK  
NGWSYDIEERKVPKPKSKSYGANFWSNKRTRVSTK

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 15.3 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:** [NP\\_002486](#)  
**Locus ID:** 4724  
**UniProt ID:** [O43181](#), [A0A0S2Z433](#)



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RefSeq Size: 676

Cytogenetics: 5q11.2

RefSeq ORF: 525

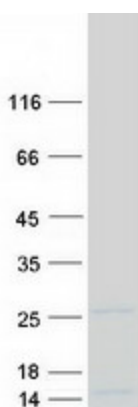
Synonyms: AQDQ; CI-18; CI-18 kDa; CI-AQDQ; MC1DN1

**Summary:** This gene encodes an nuclear-encoded accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I, or NADH:ubiquinone oxidoreductase). Complex I removes electrons from NADH and passes them to the electron acceptor ubiquinone. Mutations in this gene can cause mitochondrial complex I deficiencies such as Leigh syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

**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 NDUFS4 protein (Cat# TP302713). The protein was produced from HEK293T cells transfected with NDUFS4 cDNA clone (Cat# [RC202713]) using MegaTran 2.0 (Cat# [TT210002]).