

## Product datasheet for **TP303265M**

### DAP13 (NDUFA12) (NM\_018838) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 (NDUFA12), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC203265 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MELVQVLKRGLQQITGHGGLRGLRGLRVFFRTNDAKVGTLVGEDKYGNKYYEDNKQFFGRHRVWVYTEMNG  
KNTFWDVDGSMVPPPEWHRWLHSMDDPPTTKPLAARKFIWTNHKFNVGTGPEQYVPYSTTRKKIQEWIPP  
STPYK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 16.9 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:** [NP\\_061326](#)  
**Locus ID:** 55967  
**UniProt ID:** [Q9UI09](#)



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RefSeq Size: 592

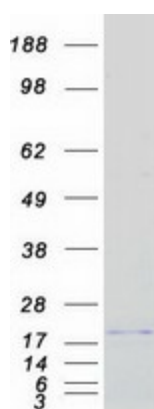
Cytogenetics: 12q22

RefSeq ORF: 435

Synonyms: B17.2; DAP13; MC1DN23

**Summary:** This gene encodes a protein which is part of mitochondrial complex 1, part of the oxidative phosphorylation system in mitochondria. Complex 1 transfers electrons to ubiquinone from NADH which establishes a proton gradient for the generation of ATP. Mutations in this gene are associated with Leigh syndrome due to mitochondrial complex 1 deficiency. Pseudogenes of this gene are located on chromosomes 5 and 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]

### Product images:



Coomassie blue staining of purified NDUFA12 protein (Cat# [TP303265]). The protein was produced from HEK293T cells transfected with NDUFA12 cDNA clone (Cat# [RC203265]) using MegaTran 2.0 (Cat# [TT210002]).