

## Product datasheet for **TP303265L**

### 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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203265 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MELVQVLKRGLQQITGHGGLRGYLRVFFRTNDAKVGTLVGEDKYGNKYYEDNKQFFGRHRVWVYTEMNG KNTFWDVDGSMVPPPEWHRWLHSM TDDPPTTKPLAARKFIWTNHKFNVTGTPEQYVPYSTTRKKIQEWIPP STPYK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	<a href="#">NP_061326</a>
Locus ID:	55967
UniProt ID:	<a href="#">Q9UI09</a>



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RefSeq Size: 592

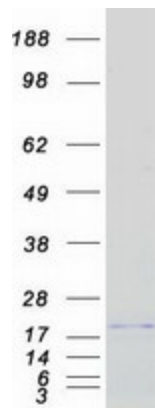
Cytogenetics: 12q22

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]).