

## Product datasheet for PH300029

### NDUFAF1 (NM\_016013) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NDUFAF1 MS Standard C13 and N15-labeled recombinant protein (NP_057097)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200029
Predicted MW:	37.8 kDa
Protein Sequence:	>RC200029 protein sequence Red=Cloning site Green=Tags(s)  MALVHKLLRGTYFLRKFSKPTSALYPFLGIRFAEYSSSLQKPVASPGKASSQRKTEGDLQGDHQKEVALD ITSSEEKPDVSFDKAIRDEAIYHFRLKDEIVDHWRGPEGHPLHEVLLQAKVVWQFRGKEDLDKWTVTS DKTIGGRSEVFLKMGKNNQSALLYGTLSEAPQDGESTRSGYCAMISRIPRGAFERKMSYDWSQFNTLYL RVRGDGRPMMVNIKEDTDFQRTNQMSYFMFTRGGPYWQEVKIPFSKFFF SNRGRIRDVQHELPLDKIS SIGFTLADKVDGPFLEIDFIGVFTDPAHTEEFAYENSPELNPRLFK  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_057097</a></u>
RefSeq Size:	1488
RefSeq ORF:	981
Synonyms:	CGI-65; CGI65; CIA30; MC1DN11
Locus ID:	51103



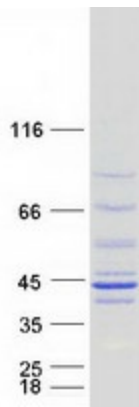
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UniProt ID: [Q9Y375](#), [A0A024R9L0](#)

Cytogenetics: 15q15.1

**Summary:** This gene encodes a complex I assembly factor protein. Complex I (NADH-ubiquinone oxidoreductase) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. The encoded protein is required for assembly of complex I, and mutations in this gene are a cause of mitochondrial complex I deficiency. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19. [provided by RefSeq, Dec 2011]

### Product images:



Coomassie blue staining of purified NDUFAF1 protein (Cat# [TP300029]). The protein was produced from HEK293T cells transfected with NDUFAF1 cDNA clone (Cat# [RC200029]) using MegaTran 2.0 (Cat# [TT210002]).