

## Product datasheet for PH307387

### Mimitin (NDUFAF2) (NM\_174889) Human Mass Spec Standard

#### Product data:

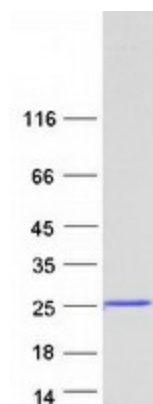
Product Type:	Mass Spec Standards
Description:	NDUFAF2 MS Standard C13 and N15-labeled recombinant protein (NP_777549)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207387
Predicted MW:	19.7 kDa
Protein Sequence:	<p>&gt;RC207387 representing NM_174889</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGWSQDLFRALWRSLSREVKEHVGTDQFGNKYYYIPQYKNWRGQTIREKRIVEAANKKEVDYEAGDIPT            WEAWIRTRKTPPTMEEILKNEKHREEIKIKSQDFYEKEKLLSKETSEELLPPPVQTQIKGHASAPYFGK            EEPVAPSSTGKTFQPGSWMPRDGKSHNQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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:	<a href="#">NP_777549</a>
RefSeq Size:	650
RefSeq ORF:	507
Synonyms:	B17.2L; MC1DN10; mimitin; MMTN; NDUFA12L
Locus ID:	91942
UniProt ID:	<a href="#">Q8N183</a> , <a href="#">A0A0S2Z5U1</a>


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**Cytogenetics:** 5q12.1

**Summary:** NADH:ubiquinone oxidoreductase (complex I) 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. This gene encodes a complex I assembly factor. Mutations in this gene cause progressive encephalopathy resulting from mitochondrial complex I deficiency. [provided by RefSeq, Jul 2008]

**Product images:**



Coomassie blue staining of purified NDUFAF2 protein (Cat# [TP307387]). The protein was produced from HEK293T cells transfected with NDUFAF2 cDNA clone (Cat# [RC207387]) using MegaTran 2.0 (Cat# [TT210002]).