

## Product datasheet for PH300784

### NDUFB7 (NM\_004146) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NDUFB7 MS Standard C13 and N15-labeled recombinant protein (NP_004137)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200784
Predicted MW:	16.4 kDa
Protein Sequence:	>RC200784 protein sequence Red=Cloning site Green=Tags(s)  MGAHLVRRYLGDASVEPDPLQMPTFPPDYGFPERKEREMVATQQEMMDAQLRLQLRDYCAHHLIRLLKCK RDSFPNFLACKQERHDWDYCEHRDYVMRMKEFERERRLLQRKKRREKKAELAKGQGPGEVDPKVAL  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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004137</a>
RefSeq Size:	573
RefSeq ORF:	411
Synonyms:	B18; CI-B18
Locus ID:	4713
UniProt ID:	<a href="#">P17568</a>
Cytogenetics:	19p13.12



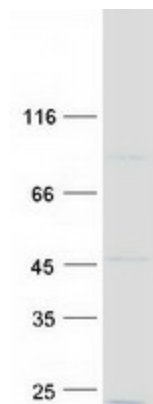
[View online »](#)

**Summary:**

The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It is located at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. [provided by RefSeq, Jul 2008]

**Protein Pathways:**

Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

**Product images:**

Coomassie blue staining of purified NDUFB7 protein (Cat# [TP300784]). The protein was produced from HEK293T cells transfected with NDUFB7 cDNA clone (Cat# [RC200784]) using MegaTran 2.0 (Cat# [TT210002]).