

## Product datasheet for PH307108

### NDUFS6 (NM\_004553) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NDUFS6 MS Standard C13 and N15-labeled recombinant protein (NP_004544)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207108
Predicted MW:	13.7 kDa
Protein Sequence:	>RC207108 protein sequence Red=Cloning site Green=Tags(s)  MAAAMTFCRLLNRCGEAARSLPLGARCFGVRVSPTEKVTHTGQVYDDKDYRRIRFVGRQKEVNF AID LIAEQPVSEVETRVIA CDGGGGALGHPKVYINLDKETKTGTCGYCGLQFRQH H  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_004544</a>
RefSeq Size:	554
RefSeq ORF:	372
Synonyms:	CI-13kA; CI-13kD-A; CI13KDA; MC1DN9
Locus ID:	4726
UniProt ID:	<a href="#">O75380</a> , <a href="#">Q6IBC4</a>
Cytogenetics:	5p15.33



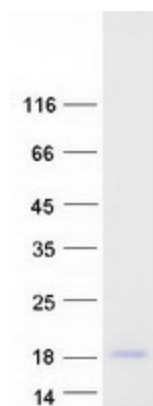
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**Summary:**

This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders. [provided by RefSeq, Oct 2009]

**Protein Pathways:**

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

**Product images:**

Coomassie blue staining of purified NDUFS6 protein (Cat# [TP307108]). The protein was produced from HEK293T cells transfected with NDUFS6 cDNA clone (Cat# [RC207108]) using MegaTran 2.0 (Cat# [TT210002]).