

Product datasheet for PH303155

NDUFB6 (NM_002493) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDUFB6 MS Standard C13 and N15-labeled recombinant protein (NP_002484)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203155
Predicted MW:	15.5 kDa
Protein Sequence:	>RC203155 protein sequence Red=Cloning site Green=Tags(s) MTGYTPDEKLRLLQQLRELRRRWLKDQELSPREPVLPQKMGPMKFWNKFLENKSPWRKMVHGVIYKKSIF VFTHVLVPWIIHYMKYHVSEKPYGIVEKKSRIFFPGDTILETGEVIPPMPKEFPDQHH 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:	NP_002484
RefSeq Size:	873
RefSeq ORF:	384
Synonyms:	B17; CI
Locus ID:	4712
UniProt ID:	O95139
Cytogenetics:	9p21.1



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Summary:

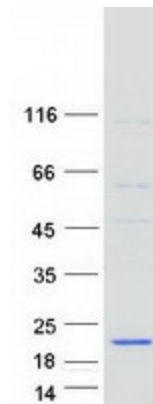
The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jan 2011]

Protein Families:

Transmembrane

Protein Pathways:

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

Product images:

Coomassie blue staining of purified NDUFB6 protein (Cat# [TP303155]). The protein was produced from HEK293T cells transfected with NDUFB6 cDNA clone (Cat# [RC203155]) using MegaTran 2.0 (Cat# [TT210002]).