

Product datasheet for PH300653

NDUFV2 (NM_021074) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDUFV2 MS Standard C13 and N15-labeled recombinant protein (NP_066552)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200653
Predicted MW:	27.4 kDa
Protein Sequence:	>RC200653 protein sequence Red=Cloning site Green=Tags(s) MFFSAALRARAAGLTAHWGRHVRNLHKTVMQNGAGGALFVHRDTPENNPDTPFDFTPENYKRIEAIVKNY PEGHKA AAVLPVLDLAQRQNGWLPISAMNKVAEVLQVPPMRVYEVATFYTYMNRKPVGKYHIQVCTTTPC MLRNSDSILEA IQKKG I K VGETTPDKLFTLIEVECLGACVNAPMVQINDNYEDLTAKDIEEIIDELKA GKIPKPGPRSGRF SCEPAGGLTSLTEPPKGPFGVQAGL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_066552
RefSeq Size:	937
RefSeq ORF:	747
Synonyms:	CI-24k; MC1DN7
Locus ID:	4729
UniProt ID:	P19404



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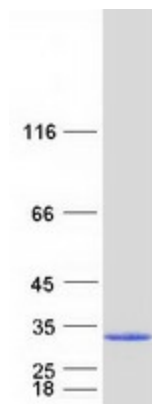
Cytogenetics: 18p11.22

Summary: The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19. [provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Product images:



Coomassie blue staining of purified NDUFV2 protein (Cat# [TP300653]). The protein was produced from HEK293T cells transfected with NDUFV2 cDNA clone (Cat# [RC200653]) using MegaTran 2.0 (Cat# [TT210002]).