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Product datasheet for PH303464

NDUFA9 (NM_005002) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDUFA9 MS Standard C13 and N15-labeled recombinant protein (NP_004993)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203464
Predicted MW:	42.5 kDa
Protein Sequence:	>RC203464 protein sequence Red=Cloning site Green=Tags(s) MAAAAQSRVVRVLSMSRSAITAIATSVCHGPPCRQLHHALMPHGKGGRSSVSGIVATVFGATGFLGRYVV NHLGRMGSQVIIPYRCDKYDIMHLRPMGDLGQLLFLEWDARDKDSIRRVVQHSNVVINLIGRDWETKNFD FEDVFVKIPQAIAQLSKEAGVEKFIHVSHLNANIKSSSRYLRNKAVGEKVVRDAFPEAIIVKPSDIFGRE DRFLNSFASMHRFGPIPLGSLGWKTVKQPVYVVDVSKGIVNAVKDPDANGKSFAFVGPSRYLLFHLVKYI FAVAHRLFLPFPLPLFAYRWVARVFEISPFEPWITRDKVERMHITDMKLPHLPGLEDLGIQATPLELKAI EVLRRHRTYRWLSAEIEDVKPAKTVNI 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_004993
RefSeq Size:	1621
RefSeq ORF:	1131
Synonyms:	CC6; CI-39k; CI39k; COQ11; MC1DN26; NDUFS2L; SDR22E1
Locus ID:	4704

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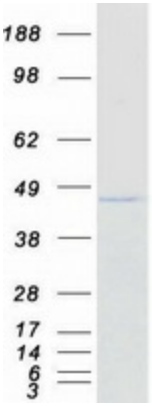
UniProt ID: Q16795

Cytogenetics: 12p13.32

Summary: The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. A pseudogene has been identified on chromosome 12. [provided by RefSeq, May 2010]

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

Product images:



Coomassie blue staining of purified NDUFA9 protein (Cat# [TP303464]). The protein was produced from HEK293T cells transfected with NDUFA9 cDNA clone (Cat# [RC203464]) using MegaTran 2.0 (Cat# [TT210002]).