

Product datasheet for PH300223

NDUFB9 (NM_005005) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | NDUFB9 MS Standard C13 and N15-labeled recombinant protein (NP_004996) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC200223 |
| Predicted MW: | 21.8 kDa |
| Protein Sequence: | >RC200223 protein sequence Red=Cloning site Green=Tags(s) MAFLASGPYLTHQQKVLRLYKRALRHLESWCVQRDKYRYFACLMRARFEEHKNEKDMAKATQLLKEAEEE FWYRQHPQPYIFPDSPGGTSYERYDCYKVPWCLDDWHPSEKAMYPDYFAKREQWKLLRRESWEREVKQL QEETPPGGPLTEALPPARKEGDLPLWYIVTRPRRPM 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- 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_004996 |
| RefSeq Size: | 736 |
| RefSeq ORF: | 537 |
| Synonyms: | B22; CI-B22; LYRM3; MC1DN24; UQOR22 |
| Locus ID: | 4715 |
| UniProt ID: | Q9Y6M9 |



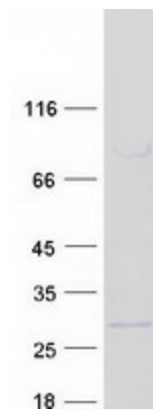
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Cytogenetics: 8q24.13

Summary: The protein encoded by this gene is a subunit of the mitochondrial oxidative phosphorylation complex I (nicotinamide adenine dinucleotide: ubiquinone oxidoreductase). Complex I is localized to the inner mitochondrial membrane and functions to dehydrogenate nicotinamide adenine dinucleotide and to shuttle electrons to coenzyme Q. Complex I deficiency is the most common defect found in oxidative phosphorylation disorders and results in a range of conditions, including lethal neonatal disease, hypertrophic cardiomyopathy, liver disease, and adult-onset neurodegenerative disorders. Pseudogenes of this gene are found on chromosomes five, seven and eight. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

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

Product images:



Coomassie blue staining of purified NDUFB9 protein (Cat# [TP300223]). The protein was produced from HEK293T cells transfected with NDUFB9 cDNA clone (Cat# [RC200223]) using MegaTran 2.0 (Cat# [TT210002]).