

Product datasheet for PH300534

NDUFA7 (NM_005001) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | NDUFA7 MS Standard C13 and N15-labeled recombinant protein (NP_004992) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC200534 |
| Predicted MW: | 12.6 kDa |
| Protein Sequence: | >RC200534 protein sequence Red=Cloning site Green=Tags(s) MASATRLIQRLRNWASGHDLQGKQLRYQEISKRTQPPKLPVGPESHKLSNNYYCTRDGRRESVPPSIIM SSQKALVSGKPAESSAVAATEKKAVTPAPPIKRWELSSDQPYL 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_004992 |
| RefSeq Size: | 585 |
| RefSeq ORF: | 339 |
| Synonyms: | B14.5a; CI-B14.5a |
| Locus ID: | 4701 |
| UniProt ID: | O95182 |
| Cytogenetics: | 19p13.2 |

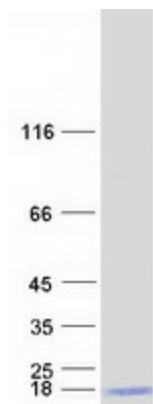


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Summary: This gene encodes a subunit of NADH:ubiquinone oxidoreductase (complex I), which is a multiprotein complex located in the inner mitochondrial membrane. Complex I functions in the transfer of electrons from NADH to the respiratory chain. [provided by RefSeq, Mar 2011]

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

Product images:



Coomassie blue staining of purified NDUFA7 protein (Cat# [TP300534]). The protein was produced from HEK293T cells transfected with NDUFA7 cDNA clone (Cat# [RC200534]) using MegaTran 2.0 (Cat# [TT210002]).