

Product datasheet for PH302713

NDUFS4 (NM_002495) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDUFS4 MS Standard C13 and N15-labeled recombinant protein (NP_002486)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202713
Predicted MW:	20.1 kDa
Protein Sequence:	>RC202713 protein sequence Red=Cloning site Green=Tags(s) MAAVSMSVVLRLQTLWRRRAVAVAAALSVSRVPTRSLRTSSWRLAQDQTQDTQLITVDEKLDITTLTGVP EEHIKTRKVRIFVFPARNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTFSTKEDAVSFAEK NGWSYDIEERKVPKPKSKSYGANFSWNRKTRVSTK 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- 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_002486
RefSeq Size:	676
RefSeq ORF:	525
Synonyms:	AQDQ; CI-18; CI-18 kDa; CI-AQDQ; MC1DN1
Locus ID:	4724
UniProt ID:	O43181 , A0A0S2Z433



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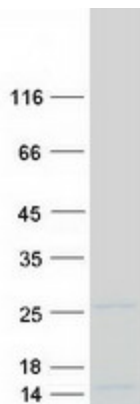
Cytogenetics: 5q11.2

Summary: This gene encodes an nuclear-encoded accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I, or NADH:ubiquinone oxidoreductase). Complex I removes electrons from NADH and passes them to the electron acceptor ubiquinone. Mutations in this gene can cause mitochondrial complex I deficiencies such as Leigh syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

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 NDUFS4 protein (Cat# [TP302713]). The protein was produced from HEK293T cells transfected with NDUFS4 cDNA clone (Cat# [RC202713]) using MegaTran 2.0 (Cat# [TT210002]).