

Product datasheet for PH308941

NDUFAB1 (NM_005003) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDUFAB1 MS Standard C13 and N15-labeled recombinant protein (NP_004994)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208941
Predicted MW:	17.2 kDa
Protein Sequence:	>RC208941 representing NM_005003 Red=Cloning site Green=Tags(s) MASRVLSAYVSRPAAAFAPLPRVRMLAVARPLSTALCSAGTQTRLGTLQPALVLAQVPGVRTQLCRQYSD MPPLTLEGIQDRVLYVLKLYDKIDPEKLSVNSHFMKDLGLDSLQVEIIMAMEDEFGFEIPDIDAELKLMC PQEIVDYIADKKDVYE 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_004994
RefSeq Size:	804
RefSeq ORF:	468
Synonyms:	ACP; ACP1; FASN2A; SDAP
Locus ID:	4706
UniProt ID:	O14561



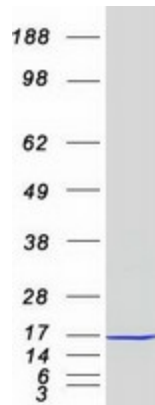
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Cytogenetics: 16p12.2

Summary: Carrier of the growing fatty acid chain in fatty acid biosynthesis (By similarity). Accessory and non-catalytic subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain (PubMed:27626371).[UniProtKB/Swiss-Prot Function]

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

Product images:



Coomassie blue staining of purified NDUFAB1 protein (Cat# [TP308941]). The protein was produced from HEK293T cells transfected with NDUFAB1 cDNA clone (Cat# [RC208941]) using MegaTran 2.0 (Cat# [TT210002]).