

Product datasheet for PH303265

DAP13 (NDUFA12) (NM_018838) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDUFA12 MS Standard C13 and N15-labeled recombinant protein (NP_061326)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203265
Predicted MW:	17.1 kDa
Protein Sequence:	>RC203265 protein sequence Red =Cloning site Green =Tags(s) MELVQVLKRGLQQITGHGGLRGYLRVFFRTNDAKVGTLVGEDKYGNKYEDNKQFFGRHRWVYTTMNG KNTFWDVDGSMVPPPEWHRWLHSMTDDPPTTKPLAARKFIWTNHKFNVTGTPEQYVPYSTTRKKIQEWIPP STPYK TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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_061326
RefSeq Size:	592
RefSeq ORF:	435
Synonyms:	B17.2; DAP13; MC1DN23
Locus ID:	55967
UniProt ID:	Q9UI09

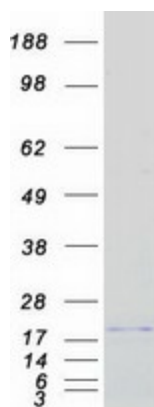


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Cytogenetics: 12q22

Summary: This gene encodes a protein which is part of mitochondrial complex 1, part of the oxidative phosphorylation system in mitochondria. Complex 1 transfers electrons to ubiquinone from NADH which establishes a proton gradient for the generation of ATP. Mutations in this gene are associated with Leigh syndrome due to mitochondrial complex 1 deficiency. Pseudogenes of this gene are located on chromosomes 5 and 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]

Product images:



Coomassie blue staining of purified NDUFA12 protein (Cat# [TP303265]). The protein was produced from HEK293T cells transfected with NDUFA12 cDNA clone (Cat# [RC203265]) using MegaTran 2.0 (Cat# [TT210002]).