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Product datasheet for PH309910

DNAJC19 (NM_145261) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DNAJC19 MS Standard C13 and N15-labeled recombinant protein (NP_660304)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209910
Predicted MW:	12.5 kDa
Protein Sequence:	>RC209910 protein sequence Red=Cloning site Green=Tags(s) MASTVVAVGLTIAAAGFAGRYVLQAMKHMEPQVKQVFQSLPKSAFSGGYYRGGFEPKMTKREAALILGVS PTANKGKIRDAHRRIMLLNHPDKGGSPYIAAKINEAKDLLEGQAKK 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_660304
RefSeq Size:	1476
RefSeq ORF:	348
Synonyms:	PAM18; TIM14; TIMM14
Locus ID:	131118
UniProt ID:	Q96DA6, A0A0S2Z5X1
Cytogenetics:	3q26.33

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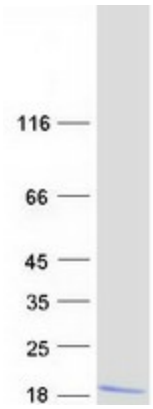
Summary: The protein encoded by this gene is thought to be part of a complex involved in the ATP-dependent transport of transit peptide-containing proteins from the inner cell membrane to the mitochondrial matrix. Defects in this gene are a cause of 3-methylglutaconic aciduria type 5 (MGA5), also known as dilated cardiomyopathy with ataxia (DCMA). Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 2, 6, 10, 14 and 19. [provided by RefSeq, Jan 2012]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified DNAJC19 protein (Cat# [TP309910]). The protein was produced from HEK293T cells transfected with DNAJC19 cDNA clone (Cat# [RC209910]) using MegaTran 2.0 (Cat# [TT210002]).