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Product datasheet for PH305548

DDHD1 (NM_030637) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDHD1 MS Standard C13 and N15-labeled recombinant protein (NP_085140)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205548
Predicted MW:	97.1 kDa
Protein Sequence:	>RC205548 protein sequence Red=Cloning site Green=Tags(s) MNYPGRGSPRSPEHNGRGGGGGAWELGSDARPAFGGGVCCFEHLPGGDPDDGDVPLALLRGEPGLHLAPG TDDHNHHLALDPCLSDENYDFSSAESGSSLRYYSEGESGGGGSSLSLHPPQQPPLVPTNSGGGGATGGSP GERKRTRLGGPAARHRYEVVTELGPEEVRWFYKEDKKTWKPFIGYDSLRIELAFRTLLQTTGARPQGGDR DGDHVCSPTGPASSSGEDDDEDRACGFCQSTTGHEPEMVELVNIEPVCVRGGLYEVDVTQGECYPVYWNQ ADKIPVMRGQWFIDGTWQPLEEEESNLIEQEHLNCFRGQQMQENFDIEVSKSIDGKDAVHSFKLSRNHVD WHSVDEVYLYSDATTSKIARTVTQKLGFSKASSSGTRLHRGYVEEATLEDKPSQTTHIVFVVHGIGQKMD QGRIIKNTAMMREAARKIEERHFSNHATHVEFLPVEWRSKLTLDGDTVDSITPDKVRGLRDMLNSSAMDI MYYTSPLYRDELVKGLQQELNRLYSLFCSRNPDFEEKGGKVSIVSHSLGCVITYDIMTGWNPVRLYEQLL QKEEELPDERWMSYEERHLLDELYITKRRLKEIEERLHGLKASSMTQTPALKFKVENFFCMGSPLAVFLA LRGIRPGNTGSQDHILPREICNRLLNIFHPTDPVAYRLEPLILKRYSNISPVQIHWYNTSNPLPYEHMKP SFLNPAKEPTSVSENEGISTIPSPVTSPVLSRRHYGESITNIGKASILGAASIGKGLGGMLFSRFGRSST TQSSETSKDSMEDEKKPVASPSATTVGTQTLPHSSSGFLDSALELDHRIDFELREGLVESRYWSAVTSHT AYWSSLDVALFLLTFMYKHEHDDDAKPNLDPI 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.

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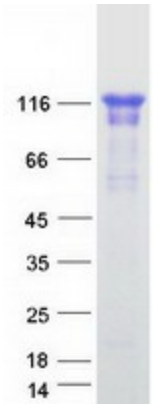
RefSeq:	NP_085140
RefSeq Size:	12885
RefSeq ORF:	2616
Synonyms:	iPLA1alpha; PA-PLA1; PAPLA1; SPG28
Locus ID:	80821
UniProt ID:	Q8NEL9
Cytogenetics:	14q22.1
Summary:	This gene is a member of the intracellular phospholipase A1 gene family. The protein encoded by this gene preferentially hydrolyzes phosphatidic acid. It is a cytosolic protein with some mitochondrial localization, and is thought to be involved in the regulation of mitochondrial dynamics. Overexpression of this gene causes fragmentation of the tubular structures in mitochondria, while depletion of the gene results in mitochondrial tubule elongation. Deletion of this gene in male mice caused fertility defects, resulting from disruption in the organization of the mitochondria during spermiogenesis. In humans, mutations in this gene have been associated with hereditary spastic paraplegia (HSP), also known as Strumpell-Lorrain disease, or, familial spastic paraparesis (FSP). This inherited disorder is characterized by progressive weakness and spasticity of the legs. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]

Product images:



Coomassie blue staining of purified DDHD1 protein (Cat# [TP305548]). The protein was produced from HEK293T cells transfected with DDHD1 cDNA clone (Cat# [RC205548]) using MegaTran 2.0 (Cat# [TT210002]).