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Product datasheet for PH311947

C1orf69 (IBA57) (NM_001010867) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C1orf69 MS Standard C13 and N15-labeled recombinant protein (NP_001010867)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211947
Predicted MW:	38 kDa
Protein Sequence:	>RC211947 representing NM_001010867 Red=Cloning site Green=Tags(s) MATAALLRGATPGRGGPVWRWRLRAAPRCRLAHSSCSPGGDPTAGAAWACFRLDGRTLLRVRGPDAAPFL LGLLTNELPLPSPAAAGAPPAARAGYAHFLNVQGRTLYDVILYGLQEHSEVSGFLLECDSSVQGALQKHL ALYRIRRKVTVEPHPELRVWAVLPSSPEACGAASLQERAGAAAILIRDPRTARMGWRLLTQDEGPALVPG GRLGDLWDYHQHRYLQGVPEGVRDLPPGVALPLESNLAFMNGVSFTKGCYIGQELTARTHHMGVIRKRLF PVRFLDPLPTSGITPGATVLTASGQTVGKFRAGQGNVGLALLWSEKIKGPLHIRASEGAQVALAASVPDW WPTVSK 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_001010867
RefSeq Size:	7817
RefSeq ORF:	1068
Synonyms:	C1orf69; MMDS3; SPG74
Locus ID:	200205

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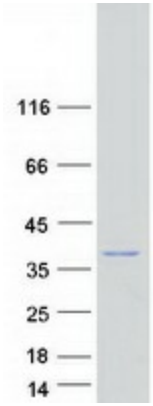
UniProt ID: Q5T440

Cytogenetics: 1q42.13

Summary: The protein encoded by this gene localizes to the mitochondrion and is part of the iron-sulfur cluster assembly pathway. The encoded protein functions late in the biosynthesis of mitochondrial 4Fe-4S proteins. Defects in this gene have been associated with autosomal recessive spastic paraplegia-74 and with multiple mitochondrial dysfunctions syndrome-3. Two transcript variants encoding different isoforms have been found for this gene. The smaller isoform is not likely to be localized to the mitochondrion since it lacks the amino-terminal transit peptide. [provided by RefSeq, Jul 2015]

Product images:



Coomassie blue staining of purified IBA57 protein (Cat# [TP311947]). The protein was produced from HEK293T cells transfected with IBA57 cDNA clone (Cat# [RC211947]) using MegaTran 2.0 (Cat# [TT210002]).