

## Product datasheet for PH316088

### ATG4C (NM\_032852) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ATG4C MS Standard C13 and N15-labeled recombinant protein (NP_116241)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216088
Predicted MW:	52.3 kDa
Protein Sequence:	>RC216088 representing NM_032852 Red=Cloning site Green=Tags(s)

MEATGTDEVDKLTAKFKFISAWNNMKYSWVLTAKTYFSRNSPVLLLLGKCYHFKYEDEDKTLPAESGCTIEDH  
VIAGNVEEFRKDFISRIWLTYSREFFQIEGSALTTDCGWGCTLRTGQMLLAQGLILHFLGRAWTWPDALN  
IENSDESWSHTVKKFTASFEASLSGEREFKPTISLKETIGKYSDDHEMRNEVYHRKIIISWFGDSPLA  
LFGHLQLIEYGKKGKAGDWYGPVVAHILRKAVEEARHPDLQGITIYVAQDCTVYNSDVIDKQSASMT  
SDNADDKAVIILVPVRLGGERTNTDYLFVKGILSLEYCVGIIGGKPKQSYFFAGFQDDSLIYMDPHYCQ  
SFVDVSIKDFPLETFHCPSPKKMSFRKMDPSCTIGFYCRNVQDFKRASEEITKMLKFSSEKEYPLFTFVN  
GHSRDYDFTSTTTNEEDLFSEDEKKQLKRFSTEEFVLL

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u><a href="#">NP_116241</a></u>
RefSeq Size:	1822
RefSeq ORF:	1374
Synonyms:	APG4-C; APG4C; AUTL1; AUTL3



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Locus ID: 84938

UniProt ID: [Q96DT6](#), [A0A384MTY5](#)

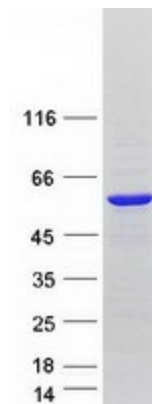
Cytogenetics: 1p31.3

**Summary:** Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding the same protein, have been characterized. [provided by RefSeq, Jul 2008]

**Protein Families:** Protease

**Protein Pathways:** Regulation of autophagy

### Product images:



Coomassie blue staining of purified ATG4C protein (Cat# [TP316088]). The protein was produced from HEK293T cells transfected with ATG4C cDNA clone (Cat# [RC216088]) using MegaTran 2.0 (Cat# [TT210002]).