

## Product datasheet for PH303453

### Apg3 (ATG3) (NM\_022488) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ATG3 MS Standard C13 and N15-labeled recombinant protein (NP_071933)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203453
Predicted MW:	35.9 kDa
Protein Sequence:	>RC203453 protein sequence Red=Cloning site Green=Tags(s)  MQNVINTVKGKALEVAEYLTPVLKESKFKETGVITPEEFVAAGDHLVHHCPTWQWATGEELKVKAYLPTG KQFLVTKNVPCKRCKQMEYSDELEAIIIEEDDGGGWVDTYHNTGITGITEAVKEITLENKDNIRLQDCS ALCEEEDEDEGEAADMEEYEESGLLETDEATLDRKIVEACKAKTDAGGEDAILQTRTYDLYITYDKYY QTPRLWLFQYDEQRQPLTVEHMYEDISQDHVKKTVTIENHPLPPPPMCSVHPCRHAEVMMKKIETVAEG GGELGVHMYLLIFLKFVQAVIPTIEYDYTRHFTM  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:	<a href="#">NP_071933</a>
RefSeq Size:	1572
RefSeq ORF:	942
Synonyms:	APG3; APG3-LIKE; APG3L; PC3-96
Locus ID:	64422



[View online »](#)

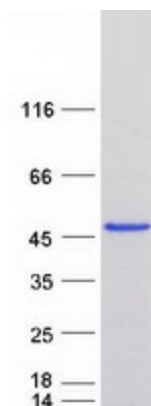
UniProt ID: [Q9NT62](#)

Cytogenetics: 3q13.2

**Summary:** This gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy during cell death. A pseudogene of this gene is located on chromosome 20. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

**Protein Pathways:** Regulation of autophagy

### Product images:



Coomassie blue staining of purified ATG3 protein (Cat# [TP303453]). The protein was produced from HEK293T cells transfected with ATG3 cDNA clone (Cat# [RC203453]) using MegaTran 2.0 (Cat# [TT210002]).