

## Product datasheet for **AR51535PU-S**

### APG3 / ATG3 (1-314, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	APG3 / ATG3 (1-314, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMQNVINT VKGKALEVAE YLTPVLKESK FKETGVITPE EFVAAGDHLV HHCPTWQWAT GEELKVKAYL PTGKQFLVTK NVPCYKRCKQ MEYSDELEAI IEEDDGDGGW VDTYHNTGIT GITEAVKEIT LENKDNIRLQ DCSALCEEEE DEDEGEAADM EEEYESGLLE TDEATLDTRK IVEACKAKTD AGGEDAILQT RTYDLYITYD KYYQTPRLWL FGYDEQRQPL TVEHMYEDIS QDHVKKTVTI ENHPLPPPP MCSVHPCRHA EVMKKIETV AEGGGELGVH MYLLIFLKFV QAVIPTIEYD YTRHFTM
Tag:	His-tag
Predicted MW:	38.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ATG3 protien, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001265641</a>
Locus ID:	64422
UniProt ID:	<a href="#">Q9NT62</a>
Cytogenetics:	3q13.2
Synonyms:	APG3; APG3-LIKE; APG3L; PC3-96



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**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:**