

## Product datasheet for **AR09843PU-N**

### APG5L / ATG5 (1-275, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	APG5L / ATG5 (1-275, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MTDDKDVLRD VWFGRIPTCF TLYQDEITER EAEPYLLLPVSYLTLVTD KVKKHFQKVM RQEDISEIWF EYEGTPLKWH YPIGLLFDLL ASSSALPWNITVHFKSFPEK DLLHCPSKDA IEAHFMSCMK EADALKHKSQ VINEMQKKDH KQLWMGLQND RFDQFWAINR KLMEYPAEEN GFRYIPFRIY QTTERPFIQ KLFRPVAADG QLHTLGDLLKEVCPAIDPE DGEKKNQVMI HGIEPMLETP LQWLSEHLSY PDNFLHISII PQPTD
Tag:	His-tag
Predicted MW:	34.6 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 0.2M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ATG5 protein, 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001273035</u>
Locus ID:	9474
UniProt ID:	<u>Q9H1Y0, Q7Z3H3, A9UGY9</u>
Cytogenetics:	6q21
Synonyms:	APG5; APG5-LIKE; APG5L; ASP; hAPG5; SCAR25



[View online »](#)

**Summary:**

The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Regulation of autophagy, RIG-I-like receptor signaling pathway

**Product images:**