

Product datasheet for **AR09843PU-L**

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

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | APG5L / ATG5 (1-275, His-tag) human recombinant protein, 0.25 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MTDDKDVL RD VWFGR IPTCF TLYQDEITER EAEPY YLLLPRVSYLTLVTD KVKKH FQKVM RQEDISEIWF EYEGT PLKWH YPIGLLFDLL ASSALPWNITVHF KSFPEK DLLHCPSKDA IEAHFMSCMK EADALKHKSQ VINEMQKKDH KQLWMGLQND RFDQFWAINR KLMEYPAEEN GFRYIPFRIY QT TTERPFIQ KLFRPVAADG QLHTLGDLLKEVCP SAIDPE 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 |



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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: