

Recombinant Human ATG5 Protein, His-tagged

Cat. No. ATG5-020H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal histidine-tagged human ATG5 protein (2-275) was purified from E. coli.
Species	Human
Source	E.coli
ProteinLength	2-275
Description	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.
Molecular Mass	34.5 kDa
Purity	≥70% estimated by SDS-PAGE
Stability	≥ 6 months
Storage	At -80 centigrade.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 50 mM HEPES, pH 8.0, 150 mM sodium chloride, and 10% glycerol

GENE INFORMATION

Gene Name [ATG5 autophagy related 5 \[Homo sapiens \(human\) \]](#)

Official Symbol [ATG5](#)

Synonyms ATG5; autophagy related 5; ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE; autophagy protein 5; APG5 autophagy 5-like; ATG5 autophagy related 5 homolog; apoptosis-specific protein

Gene ID [9474](#)

mRNA Refseq [NM_004849](#)

Protein Refseq [NP_004840](#)

MIM [604261](#)

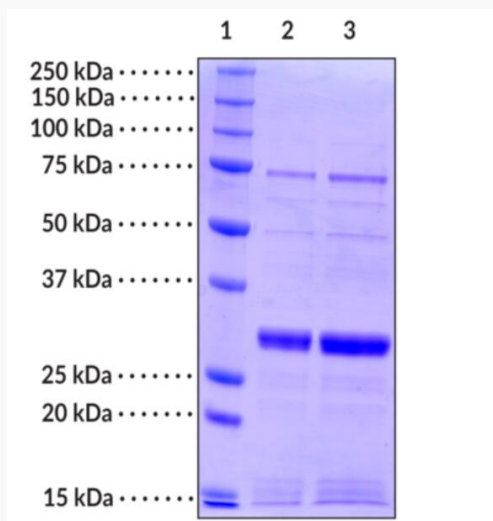
UniProt ID [Q9H1Y0](#)

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**SDS-PAGE analysis
of ATG5**



Lane 1: MW Markers

Lane 2: ATG5 (Human recombinant) (2 µg)

Lane 3: ATG5 (Human recombinant) (4 µg)