Recombinant Human ATG5 Protein, His-tagged

Cat. No. ATG5-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ATG5 protein (2-275) with a N-terminal His-tag was expressed in 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.
Form	50 mM HEPES, pH 8.0, 150 mM sodium chloride, and 10% glycerol
Molecular Mass	34.5 kDa
Purity	≥70% estimated by SDS-PAGE
Applications	WB

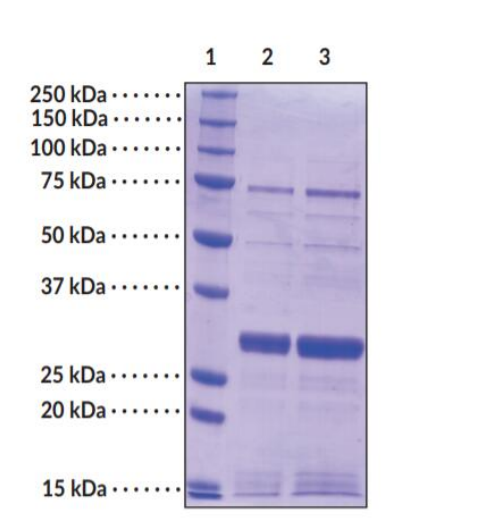
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Stability	≥ 1 year
Storage	Store at -80 centigrade

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_001286106
Protein Refseq	NP_001273035
MIM	604261
UniProt ID	Q9H1Y0

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SDS-PAGE of ATG5	 Lane 1: MW Markers, Lane 2: ATG5 (human recombinant) (2 μg), Lane 3: ATG5 (human recombinant) (4 μg). Representative gel image shown; actual purity may vary between each batch.

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