

Recombinant Human ATG7 protein, His-tagged

Cat. No. ATG7-3478H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATG7 protein(451-676 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	451-676 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LEQARRDVEQLEQLIESHDVVFLMLDTRESRWLPVAVIAASKRKLVINAAALGFDTFVVM RHGLKKPKQQGAGDLCPNHPVASADLLGSSLFANIPGYKLGCFYCNDDVVAPGDSTR DRTLDDQCTVSRPGLAVIAGALAVELMVSVLQHPEGGYAIASSSDDRMNEPPTSLG LVPHQVLDQYEREGFNFLAKVFNSSHSFLEDLTGLTLLHQETQAAEIWDMSDDETI
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name [ATG7](#) [ATG7 autophagy related 7 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol [ATG7](#)

Synonyms [ATG7](#); [ATG7 autophagy related 7 homolog \(S. cerevisiae\)](#); [APG7 autophagy 7 like \(S. cerevisiae\)](#) , [APG7L](#); [ubiquitin-like modifier-activating enzyme ATG7](#); [DKFZp434N0735](#); [GSA7](#); [hAGP7](#); [autophagy-related protein 7](#); [ATG12-activating enzyme E1 ATG7](#); [ubiquitin activating enzyme E1-like protein](#); [ubiquitin-activating enzyme E1-like protein](#); [APG7L](#); [APG7-LIKE](#);

Gene ID [10533](#)

mRNA Refseq [NM_001136031](#)

Protein Refseq [NP_001129503](#)

MIM [608760](#)

UniProt ID [O95352](#)

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