Recombinant Human ATG7 protein, His-tagged

Cat. No. ATG7-2829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATG7 protein(293-563 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	293-563 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	AFSPDCPKAVGWEKNQKGGMGPRMVNLSECMDPKRLAESSVDLNLKLMCWRLVP TLDLDKVVSVKCLLLGAGTLGCNVARTLMGWGVRHITFVDNAKISYSNPVRQPLYEF EDCLGGGKPKALAAADRLQKIFPGVNARGFNMSIPMPGHPVNFSSVTLEQARRDVE QLEQLIESHDVVFLLMDTRESRWLPAVIAASKRKLVINAALGFDTFVVMRHGLKKPK QQGAGDLCPNHPVASADLLGSSLFANIPGYKLGCYFCNDVVAPGDST
Purity	85%, 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 ḡ/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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