

Recombinant Human ATG7, MYC/DDK-tagged

Cat. No. ATG7-128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATG7, ranscript variant 1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes.
Molecular Mass	77.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	ATG7 autophagy related 7 [Homo sapiens (human)]
Official Symbol	ATG7

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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_006395
Protein Refseq	NP_006386
MIM	608760
UniProt ID	O95352
Chromosome Location	3p25.3
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome degradation; Class I MHC mediated antigen processing & presentation
Function	Atg12 activating enzyme activity; Atg8 activating enzyme activity; protein binding; protein homodimerization activity