

## Recombinant Human ATG7, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ATG7, ranscript variant 1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	77.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### GENE INFORMATION

<b>Gene Name</b>	ATG7 autophagy related 7 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ATG7

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">10533</a>
<b>mRNA Refseq</b>	<a href="#">NM_006395</a>
<b>Protein Refseq</b>	<a href="#">NP_006386</a>
<b>MIM</b>	<a href="#">608760</a>
<b>UniProt ID</b>	O95352
<b>Chromosome Location</b>	3p25.3
<b>Pathway</b>	Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome degradation; Class I MHC mediated antigen processing & presentation
<b>Function</b>	Atg12 activating enzyme activity; Atg8 activating enzyme activity; protein binding; protein homodimerization activity

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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