

Recombinant Mouse Atg7 Protein, Myc/DDK-tagged

Cat. No. Atg7-1762M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length autophagy related 7 (Atg7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants.
Molecular Mass	78 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Atg7 autophagy related 7 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Atg7](#)

Synonyms ATG7; autophagy-related 7 (yeast); ubiquitin-like modifier-activating enzyme ATG7; mAGP7; autophagy-related protein 7; ATG12-activating enzyme E1 ATG7; ubiquitin-activating enzyme E1-like protein; Agp7; Apg7l; Atg7l; 1810013K23Rik

Gene ID [74244](#)

mRNA Refseq [NM_028835](#)

Protein Refseq [NP_083111](#)

UniProt ID [Q9D906](#)

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