

Recombinant Mouse Atg7 Protein, His-tagged

Cat. No. Atg7-1524M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Atg7 Protein (450-698 aa) with C-terminal His-tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	450-698 a.a.
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.
Form	Liquid
Molecular Mass	30 kDa
Purity	~95%
Applications	ELISA, WB
Storage	Store at -70 centigrade. As with any protein, exposing ATG7 recombinant protein to

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repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage Buffer 1x PBS containing 10% glycerol.

GENE INFORMATION

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

Official Symbol *Atg7*

Synonyms *Atg7*; autophagy related 7; *Agp7*; *Apg7l*; *Atg7l*; Gm21553; 1810013K23Rik; ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; autophagy-related protein 7; ubiquitin-activating enzyme E1-like protein

Gene ID 74244

mRNA Refseq NM_028835

Protein Refseq NP_083111

UniProt ID Q9D906

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