

Recombinant Mouse Atg5 Protein, MYC/DDK-tagged

Cat. No. Atg5-624M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse autophagy related 5 (Atg5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Two transcript variants encoding different protein isoforms have been found for this gene.
Molecular Mass	32.4 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 Atg5 autophagy related 5 [*Mus musculus* (house mouse)]

Official Symbol Atg5

Synonyms Atg5; autophagy related 5; Apg5l; Atg5l; Paddy; C88337; AW319544; 2010107M05Rik; 3110067M24Rik; autophagy protein 5

Gene ID 11793

mRNA Refseq NM_053069

Protein Refseq NP_444299

UniProt ID Q99J83

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