

Recombinant Mouse Atg9a Protein, Myc/DDK-tagged

Cat. No. Atg9a-1763M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length autophagy-related 9A (yeast) (cDNA clone MGC:105176 IMAGE:6840050), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in autophagy and cytoplasm to vacuole transport (Cvt) vesicle formation. Plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS), the nucleating site for formation of the sequestering vesicle. Cycles between a juxta-nuclear trans-Golgi network compartment and late endosomes. Nutrient starvation induces accumulation on autophagosomes. Starvation-dependent trafficking requires ULK1, ATG13 and SUPT20H. Required for carbonyl cyanide m-chlorophenylhydrazone (CCCP)-induced ATG8 family proteins lipidation, a key autophagy step.
Molecular Mass	63.1 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.

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Concentration >50 µg/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 Atg9a autophagy related 9A [*Mus musculus* (house mouse)]

Official Symbol Atg9a

Synonyms Atg9a; autophagy related 9A; Apg; Atg9; Apg9l1; Atg9l1; AU019532; autophagy-related protein 9A; APG9 autophagy 9-like 1; APG9-like 1; autophagy protein 9; autophagy-related 9-like 1

Gene ID 245860

mRNA Refseq NM_001003917

Protein Refseq NP_001003917

UniProt ID Q68FE2

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