

Recombinant Human ATG9A Protein, Myc/DDK-tagged

Cat. No. ATG9A-6894H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human ATG9 autophagy related 9 homolog A (<i>S. cerevisiae</i>) (ATG9A), transcript variant 2 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
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.
Molecular Mass	94.3 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.
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 ATG9A autophagy related 9A [Homo sapiens (human)]

Official Symbol ATG9A

Synonyms ATG9A; autophagy related 9A; mATG9; APG9L1; MGD3208; autophagy-related protein 9A; APG9 autophagy 9-like 1; APG9-like 1; ATG9 autophagy related 9 homolog A; autophagy 9-like 1 protein

Gene ID 79065

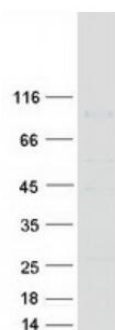
mRNA Refseq NM_024085

Protein Refseq NP_076990

MIM 612204

UniProt ID Q7Z3C6

Coomassie blue staining of purified ATG9A protein.



116 —
66 —
45 —
35 —
25 —
18 —
14 —

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The protein was produced from HEK293T cells transfected with ATG9A cDNA clone