

Product datasheet for **TP508753**

Atg9a (BC079884) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse autophagy-related 9A (yeast) (cDNA clone MGC:105176 IMAGE:6840050), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208753 protein sequence Red =Cloning site Green =Tags(s)

MAQFDTEYQRLEASYSDSPGEEEDLLVHVAEGSKSPWHHIENLDLFFSRVYNLHQKNGFTCMLIGEMFEL
MQFLFVVAFTTFLVSCVDYDILFANKMVNHSHPTEPVKVTLPDAFLPAQVCSARIQENGLITILVIAG
VFWIHRLIKFIYNICCYWEIHSFYLHALRIPMSALPYCTWQEVQARIVQTQKEHQICIHKRELTELDIYH
RILRFQNYMVALVNKSLPLRFRLPGLGEVVFTRGLKYNFELILFWGPGSLFLNEWSLKAEYKRGGQRL
ELAQRLSNRILWIGIANFLLCPLILIWQILYAFFSYAEVLKREPGALGARCWSLYGRCYLRHFNELEHEL
QSRLNRGYKPAKYMNCFLSPLLTLLAKNGAFFAGSILAVLIALTIIYDEDVLAVEHVLTTVLLGVTVTV
CRSFIPDQHMVFCPEQLLRVILAHIHYPMDHWQGVHLGGVAESHRTPHSHLLPPPSGPGDHRLLPQLYG
RGRGCGRHHLLCSDGRSPAWPSSVAVWRADRGSLVPASRGREDRVAHALCHHQSRLAAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	63.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

Locus ID: 245860

UniProt ID: [Q68FE2](#)

RefSeq Size: 3792

Cytogenetics: 1 C4

RefSeq ORF: 1653

Synonyms: Atg9, Atg9l1

Summary: 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 (By similarity). Required for carbonyl cyanide m-chlorophenylhydrazone (CCCP)-induced ATG8 family proteins lipidation, a key autophagy step.[UniProtKB/Swiss-Prot Function]