

Product datasheet for MR208753L3

Atg9a (BC079884) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Atg9a (BC079884) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Atg9a

Synonyms: Atg9, Atg9l1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR208753).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: BC079884 **ORF Size:** 1653 bp



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Atg9a (BC079884) Mouse Tagged Lenti ORF Clone - MR208753L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>BC079884</u>, <u>AAH79884</u>

RefSeq Size: 3792 bp
RefSeq ORF: 1655 bp
Locus ID: 245860
Cytogenetics: 1 C4

Gene 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

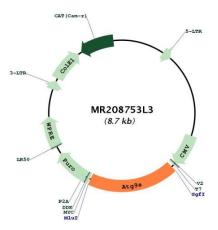
accumulation on autophagosomes. Starvation-dependent trafficking requires ULK1, ATG13 and SUPT20H (By similarity). Required for carbonyl cyanide m-chlorophenylhydrazone (CCCP)-

induced ATG8 family proteins lipidation, a key autophagy step.[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for MR208753L3