

Product datasheet for MC206905

Atg10 (BC023455) Mouse Untagged Clone

Product data:

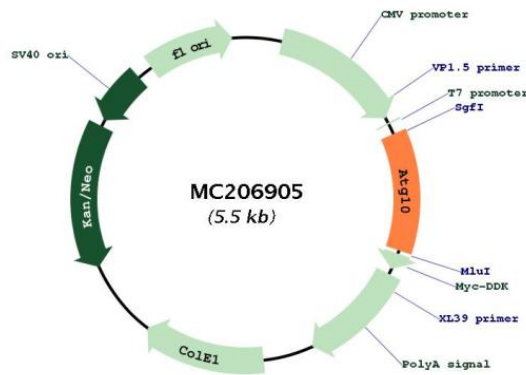
Product Type:	Expression Plasmids
Product Name:	Atg10 (BC023455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atg10
Synonyms:	Agp10, APG10, Apg10p, Atg10l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206905 representing BC023455. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGATGAGTTCTTTGGAGAAAAAGCTTCCAGCATTATTGTGCAGAATTCATCAGACATTCACAG
CAGATAGGCGATGGCTGGGAATGGAGAACAGCCAAGGAATGTTCTGATGGCTACATGTGCAAAACACAG
TTTCGAATAAAGAATGAGGCCTCGACACCACATGTGGGAACACCTGCCAGTGTGCTCACATGTCTCCCT
ACAGAGGAGAATTTAGAGCTACCAATGGATGATTCTGAAGTGACGAGACCTGCAGCGGTGGCAGAAGTG
ATTAACATGAGTATCATGTCTTATACTCTGTAGTTACCAAGTGCCGGTCTTTACTTTAGGGCAAGC
TTTTTAGATGGGAGACCGTTAGCTCTGGAGGATATATGGGAAGGTGTTTCATGAGTGTATAAGCCGCGG
CTGCTCCAGGGACCGTGGGATACCATCACCCAGCAGGAACATCCAATACTTGGGCAACCATTTTTGTT
CTACATCCCTGCAAGACAAATGAATTCATGACTGCTGTGCTAAAGAATTCACAGAAAATCAATAGAAAT
GTCAACTATATCACATCATGGCTGAGCCTCGTGGGCCAGTGGTGGTCTGAATTTACCTCTGAGCTAT
GCTAAAGCAACATCAAAATCGGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:


ACCN: BC023455

Insert Size: 648 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC023455](#)

RefSeq Size: 1153 bp

RefSeq ORF: 647 bp

Locus ID: 66795

Cytogenetics: 13 C3

MW: 24.6 kDa

Gene Summary: E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3. Plays a role in adenovirus-mediated cell lysis.[UniProtKB/Swiss-Prot Function]