

Product datasheet for **RN209013**

Atg16l1 (NM_001108809) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atg16l1 (NM_001108809) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atg16l1
Synonyms:	Apg16l; Wdr30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209013 representing NM_001108809
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTCGGCCTCCGCGCCGAGACTTCCCGCTGGAAGCGCCACATCGCGGAGGAAGTCTGAGCGCC
 GGGACCGCTGCAGAGGCAGCGTTCGAGGAGATCATTCTGCAGTATACCAAGTTGCTGGAGAAGTCAGA
 TCTTCATTCAAGTATTGACCCAGAACTACAGGCTGAAAAGCACGACGTACCAAATAGGCATGAAATAAGT
 CCTGGGCACGATGGTGCATGGAATGACAGTCAGCTACAAGAAATGGCCAGTTGAAGATGAAACACCAGG
 AAGAGCTGACTGAACTGCACAAGAAGCGTGGGAGTTAGCTCAGTTGGTATTGACCTGAATAACCAGAT
 GCAGCAGAAGGACAAGGAGATACAGACGAATGAAGCAAAGATTGCAGAGTGTTCACAGACCATCTCTGAC
 CTGGAGGCAGACTGCCTGGACCTGCGCACCAAAGTGCAGGACCTTGAGGTAGCCAACCAGACCCTGAAGG
 ATGAGTATGATGCCCTGCAGATTACTTTACTGCCCTAGAAGAGAACTGAGGAAACTACTGAGGAGAA
 CCAGGAACTGGTACCAGGTGGATGGCTGAGAAGGCCAAGAAGCCAATCGCCTTAATGCGGAGAATGAG
 AAGGACTCCAGGAGGCGACAAGCACGGTTGCAGAAGGAGCTTGAGAAGCAGCAAAGGAACCTCTACCTG
 TCGAACAGGATGATGACATTGAAGTCATTGTAGATGAGACCTCAGATCACACAGAAGAGACCTCTCTGT
 GCGAGCCATCAGCAGAGCAGCTACTAAGCGACTCTCGCAGCCTGCTGGAGCCTTCTGGATTCTATCACT
 AATATCTTTGGGAGACGCTCTGTCTCTCCATCCAGTCCCCAAGATGTCGTGGACACTCATCTGCTT
 CTGGTAAAGATGTGAGAGTCCCAACTACTGCCTCGTATGTCTTTGATGCACATGACGGAGAGGTCAATGC
 AGTACAGTTCAGTCCAGGCTCCCGTTACTGGCCACTGGAGGCATGGACCGCAGGGTTAACTTTGGGAA
 GCATTCGGAGATAAATGTGAATCAAGGGCTCCCTGTCTGGCAGCAATGCGGGAATACAAGCATTGAAT
 TTGATAGTGTGGAGCTTACCTATTAGCAGCTTCAAATGATTTTGCAAGCCGAATCTGGACTGTGGATGA
 TTATCGATTACGGCACACACTTACCGGCCACAGCGGGAAGTTCTCTGCAAGTTCTCTGCAAGTTCTCTGCA
 GCAGGATAGTCTCAGGAAGTCATGACCGACCTCAAAGTCTGGGATCTCCGCAGCAAAGTCTGTATCA
 AAACAGTGTTCGACGGTCCAGCTGCAATGACATTGTTTGCAGTGAATGTGTAATGAGTGGACATTT
 TGACAAGAAAATTCGTTTCTGGGATATCCGGTCAGAGAGTGTGGTCCGAGAGATGGAAGTGTAGGGGAA
 ATCACTGCTCTGGACTTAAACCCCGAGAGGACTGAGCTCCTGAGCTGCTCCCGTATGACCTGCTAAAAA
 TCATTGACCTGCGGACAAACGCCATCAAGCAGTCATTAGTGCACCTGGATTCAAGTGTGGCTCTGACTG
 GACCCGAGTTGTCTTACGCCCTGATGGCAGTTACGTGGCAGCAGGCTCAGCTGACGGCTCTTTTATGTA
 TGGAGTGTCTCACGGGAAAGTAGAGAAGTTCTCTCAAGCAGCACAGCTCTTCTATCAATGCGGTGG
 CGTGGGCCCTCTGGCTTACATGTTGTCAGTGTGGACAAAGGAAGCAGAGCTGTCTATGGGCACAGCC
 TTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001108809

Insert Size: 1824 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: [NM_001108809.3](#), [NP_001102279.2](#)

RefSeq Size: 2949 bp

RefSeq ORF: 1824 bp

Locus ID: 363278

Cytogenetics: 9q35