

## Product datasheet for **SC305622**

### **ATG16L2 (NM\_033388) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ATG16L2 (NM_033388) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATG16L2
Synonyms:	ATG16B; WDR80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

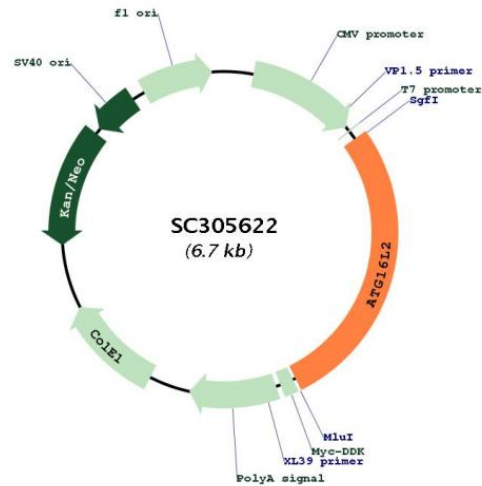


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**Fully Sequenced ORF:** >SC305622 representing NM\_033388.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGGGCGGGCGTCCCGGTGCCCGCAGCGCGCTGGAACGCCACATCGTGCGGCAGCTGCGG
CTTCGGGACCGTACGCAAAGGCGCTTTTCTGGAGCTGGTGCCGCCTATAACCATCTCTTAGAGAAG
GCTGAGCTGCTGGACAAGTTCTCAAAGAAGCTGCAGCCGAGCCAAACAGTGCTACTCCCACCACCAC
CAGGGCCCTGGGAGGAGTCAGAGCTTGACTCAGACCAAGTCCCATCACTGGTCGCACTGAGGGTGAAG
TGGCAGGAGGAGGAGGGGCTCCGGCTGGTCTGTGGTGAGATGGCCTACCAGGTGGTGGAGAAGGGC
GCGGCCCTGGGCACGCTGGAGTCGGAGCTGCAGCAGAGGCAAAGCAGGCTGGCAGCCCTGGAGGCCCGC
GTGGCGCAGCTGCAGAGGCGCGGGCGCAGCAGGCCAGCAGGTGGAGGAGTGCGGGCGCAGAATGCG
GTGCGAGCGGCAGCCTACGAGGCGCTGCGCGCGCAGTCGGGCTCCGGGAGGCGGCACTGCGCAGGCTC
CAGGAAGAGGCGCGACCTGCTGGAGAGGCTCGTGCAGCGCAAGGCGCGCCGCGGCCGAGCGCAAC
CTGCGCAACGAGCGCCGGGAGCGGGCAAGCAGGCGGGTGTCCAGGAGCTGAAGAAGGCTGCCAAG
CGGACCGTGAGCATCAGCGAGGGCCCGGACACCCTAGGCGATGGGATGAGGGAGAGAAGGGAGACTCG
GCTCTGGCCCCTGAGCCAGAGCCCTGGAGAAGGAAGTTGTGAGAAGTGAAGAGGCCCTTCAGGTCT
GCCTCAGCCACCTCCCTGACGCTGTCCACTGTGTGGATGTGGTGAAGGGGCTTCTGGATTTAAGAAG
AGGAGAGGTCACTCAATTGGGGGAGCCCTGAGCAGCGATACCAGATCATCCCTGTGTGTGGTGGC
CGACTTCTACCCGGGCTCAGGATGTGCTGGATGCCACCTCTCTGAGGTCAATGCTGTTTGGTGGC
CCCAACAGCAGCTCCTGGCCACTGGAGGGGCTGACCGCTGATCCACCTCTGGAATGTTGTGGAAAGT
GGCTACCAGTTTTAGCAGCAACTTACAACCAGGCTGCCAGCTCTGGAAGGTGGGGGAGGCACAGTCC
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AATGTCCTTTCTACTGTAATGACGTGGTGTGTGGGGACCATATCATCATTAGTGCCACAATGACCAG
AAGATCCGTTTCTGGGACAGCAGGGGGCCCACTGCACCCAGGTATCCCTGTGCAGGGCCGGTACC
TCCCTGAGCCTCAGCCACGACCAACTGCACCTGCTCAGCTGTTCCGAGACAACACTCAAGGTCATC
GACCTGCGTGTGACAAACATCCGCCAGGTGTTAGGGCCGATGGCTTCAAGTGTGGTCTGACTGGACC
AAAGCTGTGTTGAGCCCGACAGAAGCTATGCACTGGCAGGCTCCTGTGATGGGGCCCTTACATCTGG
GATGTGGACACCGGAAACTGGAGAGCAGACTACAGGGACCCATTGCGCTGCCGTCAACGCCGTGGCC
TGGTGCTACTCCGGGAGCCACATGGTGAGCGTGGACCAGGGCAGGAAGGTTGTGCTCTGGCAGTAG
ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_033388

**Insert Size:** 1860 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_033388.1](#)

**RefSeq Size:** 2160 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 89849

**UniProt ID:** [Q8NAA4](#)

**Cytogenetics:** 11q13.4

**MW:** 69 kDa

**Gene Summary:** May play a role in autophagy.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1).