

## Product datasheet for RN207459

### Atg4a (NM\_001126298) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Atg4a (NM\_001126298) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Atg4a  
 Synonyms: Agt4a; Atg4a1; RGD1588268  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN207459 representing NM\_001126298  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGTCAGTTATGTCCAAGTATGAAAACCAGATTATTATTTTCACTGAATACCTAGAAGAATCCCAG  
 ATACAGATGAGCTAGTATGGATCCTGGGAAGCCACATCTCCTTAAGACAGAAAAATCTAAGCTGTTGTC  
 TGATATAAGTGCTCGTCTATGGTTTACATACAGAAGGAAATTTTACCGATTGGGGGAACAGGCCCTTCG  
 TCGGATGCTGGCTGGGGATGTATGCTGCGCTGTGGGCAGATGATGCTGGCTCAAGCCCTCATCTGTAGAC  
 ACTTGGGAAGGGATTGGAAGTGGGAGAGACAAAAAGAACAACCCAAAGAATACCAAAGGATACTGCAGTG  
 TTTCTAGATAGAAAAGACTGTTGCTATTCAATCCATCAGATGGCACAAATGGGTGTAGGAGAAGGGAAA  
 TCAATTGGCGAATGGTTTGGACCAATACAGTTGCACAGGTGATAAAAAAATTGCTTTATTTGATGAAT  
 GGAATTCCTTGGCTGTTTATGTTTCAATGGATAACACAGTGGTCATTGAAGATATCAAGAAAAATGTGCTG  
 GTTCTTCTGTGGGTGCTGCTGACACAGCTGGTGAGAGCCCTCCTGATTCTCTGATTGCTTCCAGTCAG  
 AGTAAGGGCACCTCTGCCCCGTGCCTAGCCTGGAACCCCTGCTGCTCATTGTGCCCTTCGCCTGGGCA  
 TAAACCAATCAACCCTGTGTATATTGAAGCATTCAAAGAGTGTTTTAAGATGCCACAGCTTTTAGGGGC  
 TTTAGGAGAAAGCCAAATAACGCCTATTATTTTCATAGGATCCTTAGGTGACGAGCTCATTCTTGGAT  
 CCTCACACAACCCAGACCTTCGTTGATACTGAAGAGAGTGGACTAGTAGACGACCACACTTTCATTGCC  
 TGCAGTCTCCACAGCGGATGAGTATCCTGAACTTGGATCCTTCTGTGGCCTTGGTGGGTCAAGGAGCTTT  
 TATGGGATTTTCTGCAAAGAAGAGAAAGACTTTGATAATTGGTGTAGTCTTGTTCAGAAGGAAATCTA  
 AAGGAGAATTTGAGGATGTTTGAATTAGTTCAGAAACATCCATCACACTGGCCTCCCTTTGTACCTCCAG  
 CCAAGCCAGAAGTGACAACCACAGGGGCAGAATTCATAGACTCTACCGAACAACTGGAGGACTTCGACCT  
 GGAGGAAGATTTTGAATTCTGAGTGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001126298
<b>Insert Size:</b>	1221 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001126298.1</a></u> , <u><a href="#">NP_001119770.1</a></u>
<b>RefSeq Size:</b>	2171 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	678769
<b>Cytogenetics:</b>	Xq33