

## Product datasheet for **RN208452**

### Atg4d (NM\_001101013) Rat Untagged Clone

#### Product data:

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                     |
| Product Name:      | Atg4d (NM_001101013) Rat Untagged Clone |
| Tag:               | Tag Free                                |
| Symbol:            | Atg4d                                   |
| Vector:            | pCMV6-Entry (PS100001)                  |
| E. coli Selection: | Kanamycin (25 ug/mL)                    |
| Cell Selection:    | Neomycin                                |



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**Fully Sequenced ORF:** >RN208452 representing NM\_001101013  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCTCGGTGTCGCCGCTGCGGCGCAGTACCGCAGCGGGAGCCCGGAGGACGCGCGCCGCCGATT  
 GTCGCGCGCCGAGGGGACAAACCCGGATCCCGATCCCAGCAACCTTGGACCTTCGGGGTCTGGCGTGGC  
 AGCTCTCGGCTCAACTGGAAGTACCCCGCAGCCTGACGAGGTGGACAAGTTCAAACCAAGTTCCTG  
 ACAGCTTGAACAACGTCAAGTATGTTGGCAGTTAAAAGCCGACAGCTTCAGCAAGATCTCCAGTG  
 TTCATCTCTCGGGCGATGCTACCATTTGAGGGAGAGGGTGACATCCAGCGTTTCAAAGGGACTTTGT  
 ATCTCGACTATGGCTTACATATCGCCGGGACTTCCACCCTAGCTGGGAGCCTGACCTCAGACTGTGGC  
 TGGGGATGTATGTTACGAAGTGGTCAGATGATGCTGGCCAGGGCCTGCTCCTGCATTTTCTGCCTAGAG  
 ACTGGAGGTGGTGGAGGGCACAGGATTGGCTCCTCTGAGATGCCAGGGCCAGCCTCTCCAGTCGATA  
 CCGAGGGCCTGGTCGCCGTGGTCTCTGCGATGCGCCAGGGTGCAGTGGAGATGGAACCGGATCGTGG  
 CACCGGGCGATTGTTTCCTGGTTTGTGATCATCCTCAGGCCCTTCGGTCTACATCGCCTAGTGGAA  
 TTGGGCAGAGCTCTGGCAAGAAGGCAGGAGACTGGTATGGACCCTCTGTGGTGGCACACATCCTCAGGAA  
 AGCAGTGGAGAGCTGCTCAGAAGTACCCCGCTGGTGGTGTACGTCTCTCAGGACTGCACAGTGTACAAG  
 GCAGATGTGGCACGCCTGGTGTCTGGCCAGATCCCACAGCTGAGTGGAAAGTCTGTTGTCATCCTGGTGC  
 CTGTACGACTGGGTGGGAGACTCTAACCCCTGTGTATGTGCCCTGTGTGAAGGAGCTTCTGCGCTCAGA  
 ACTCTGCCTGGGCATTATGGGGGCAAACCTCGACATTCAGTGTACTTTCATTGGCTATCAGGATGACTTT  
 CTGCTTACCTGGATCCCACACTGCCCAGCCACAGTGGATGTCAACCAGGCCAACTTCCCAGTGGAGT  
 CCTTTCACTGCACCTCGCCCCGAAGATGGCCTTTGCCAAGATGGACCCAGCTGTACCGTGGGGTTCTA  
 TGCTGGGAACAGGAAGGAGTTTGAGACCCTCTGCTCGGAGCTGATGAGGATCCTCAGCTCCTCCTCAGTC  
 ACGGAACGTTACCCCATGTTACAGTGGCTGAGGGCCATGCTCAGGACCACAGCCTGGATGCCCTCTGCA  
 CCCAGCTCTCCAGCCACACTGCGACTACCTGCACAGGACGCCTACTCAAGGCCAAAAGGCCAGCTC  
 TGAGGACTTTGTGTTTTTA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001101013
- Insert Size:** 1422 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\_001101013.2, NP\_001094483.2  
RefSeq Size: 1957 bp  
RefSeq ORF: 1422 bp  
Locus ID: 686505  
Cytogenetics: 8q13