

## Product datasheet for **RN210547**

### Atad2 (NM\_001134879) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atad2 (NM\_001134879) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atad2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN210547 representing NM\_001134879  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGTCTCCGAGCAGCCTGGAGCTGCACAGTCACTCCACCATCTCTTCGGCCACCGACTCTCTGG  
ACCTGTCCAGTGAGTTCCTCAGTCTGGAACACAGCGGCCGGAGGGCGCCAGCTTGGCCGAGCCGCGGG  
GAAATCTACTGTGCCAAAGCGGAGCGCGGGCGATGGATCCTCAGTTAAGGGAGTTGAAATCTGCCAC  
AATACAGTTCTTTAAGGTCTTTGAGAAAAGCAAGCACAACCTTCTCGGATTCTAGTTCTGATAAGAATG  
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AAAAAAGAAGAAATGCCAAGAAGACAAAGCTATTCAGTTATTCGCTCACTGAGGAATAGAAACATTGCT  
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GTCGTTACAGTACCATGAACCAGTCTGTGCTATTTGATAAGCTTATAACAAACACTGCTGAAGCTGTACT  
TCAAAAGATGGATGACATGAAGAAGATGCGTAGACAGCGAATGAAGAACTTGAAGATCTGGCGTGTTT  
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AAGAAACAACGGATAACCAAGACGCGAGTGTGGAGTCATCTGAAGAGGGTGAAGAGCAAGAGGATGATGA  
TGGTGAAGATGAAGAAGATGATGAAGATGAAGAAGAAGATGGAGAAGAAGATAATCAGAAAAGATACTAC  
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TCCCTATTGTAACGAATGAACAGGCGAAGGCATGCCATCCACAGTAGTGATTCTACTTCTCTCTCTCC  
TCCTCTGAAGATGAATGCTTTGAGAGGAGAAGAAAAGGAACCGAAATAGAGCTATTAACAGGTGCCTCC  
CACTAAATTTTCGAAAAGATGAAATAAGAGGAATTTATAAAGATCGAATGAAAATGGAGCAAACCTTGC  
TGATGTTGATCCAATGCAACTGGATTCTCAGTGCGATTTGATAGTGTGGCGGCCTGTCCAGTCACATT  
GCAGCTCTAAAAGAGATGGTGTGTTCCCTTACTTTATCCAGAAGTCTTTGAAAAGTTTAAAATTC AAC  
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TCTTTGATGAAATCGATGGTCTGGCTCCAGTACGATCTAGCAGGCAAGATCAGATTCACAGTTCTATTGT  
TTCAACCTGTTAGTCTTATGGATGGTTGGACAGCAGAGGAGAAATTGGTTCATTGGAGCTACCAAC



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AGACTAGATTCCATAGACCCTGCTTTACGAAGGCCTGGTCGATTTGACAGAGAATTCCTTTTCAGTCTAC  
 CTGATAAAGATGCTCGAAAAGAGATTCTGAAGATTCATACAAGAGATTGGAATCCAAAACCAAGTGGACAT  
 GTTTTTAGAAGAACTAGCAGAAAAGTGTGGTACTGTGGTGCAGATATTAAGTCAATATGTGCCGAA  
 GCTGCTTATGTGCCCTGCGTCGACGGTACCCTCAGATCTATACCACCAGTGAGAAAACACAGTTGGATC  
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 CATTAGTACTACATCTCCTGAAGAGGCATGCTCACAAATGATTTCGTGAAGCTAAGAGAACAGCACCAGC  
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 AAAGAAGAACGAACCAATTTTTTGAAGACTTAATTTTAAAACAAGCTGCAAAACCTCCTGTGTCACAAA  
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 GTCACACATAGACTTGCTATTGATAAGCGATTCCGAGTCTTCACTAAGCCTGTTGACCCTGATGAGGTTT  
 CTGATTATGCTACTGTCATAAAGCAGCCAAATGGACCTTTCATCTGTAATCAGTAAAATGATTTACATAA  
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 GATAGAGATCCTGGAGATCGTCTTATTAGGCACAGAGCTTGTGCTTTAAGAGACACTGCCTATGCAATCA  
 TTAAAGAAGACTTGTGAGAGCTTTGAGCAGCTTTGTGAAGAAATTCAGGAATCTAGGAAGAAAAGAGG  
 TTGTAGTCTTCCAAATATGCACCATCTTATTACCACGTCATGCCAAAGCAAAATTCACCTCCTGTCGGT  
 GATAAAAGGTCAGATCAAGAGCAGAAGGAGAAGCTGAAGGCACCTTGTACTCCCATGGCAAGCAGCACC  
 CTGCTCGGTTGAAGAGAAAATCCGAAAAAGTCAAAGTGGCATGTAGGCACCAAAATAAAACGAAGGAA  
 AATTTCAAGCTAAAGACAGTAGCCAGACTGCTGTGAACAGTGAAGCAGGAGTACTCAGAAGACAGT  
 CAGCATACAGTACAGAGCTCGGAAACACAGGGGAGTCCCTCAGTAGAAGAAAGTGACAAGCAGAACCT  
 CTGAAAGCAACATAGACTTGAATAAATACTCAAGTTCTCCAATATTGAGAATGAACTTGAAGAGCCTAA  
 GCAAACTGCAGAGGGCACAGAGCTGAAAAAGCCAGGATTGTTTGTAGTGGCGATGCCGCTACCTCCAG  
 GTCACAGACATTGCTGAAGAAAATGAATCAAAAGAAATGGGGTTTCTGCGAATGACTCGAGCTAGACATT  
 CCCAGGTAGAGCAGCAGCAGCTGATCGGTATGGAAAAGGCTCTGGCGATTCTCTCAGCCTACACCTTC  
 ACTTGTGTGGACCATAAGCACTTAAAAATCTTTTGAAGACTGTTGTTAAAAAAGTCAGGAATATAAT  
 ATATCCAACTGGAAAATTTGTATGCAGTCTCAGCCAGTGTATTTATGAGCACCAGGACTATGACA  
 AAACAGCACTTGTTTCAGAAAATGGAGCAAGCAGTAGAGAACTTCAGTTGTTCCAGATCA TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001134879
- Insert Size:** 4122 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\_001134879.1, NP\_001128351.1

**RefSeq Size:** 5557 bp

**RefSeq ORF:** 4122 bp

**Locus ID:** 314993

**Cytogenetics:** 7q33