

## Product datasheet for RC219108

### C6orf134 (ATAT1) (NM\_024909) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C6orf134 (ATAT1) (NM\_024909) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ATAT1  
**Synonyms:** alpha-TAT; alpha-TAT1; C6orf134; MEC17; Nbla00487; TAT  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC219108 representing NM\_024909  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGTTC**CCGTT**CGATGTGGACGCGCTGTTCCCGAGCGGATCACGGTCTGGACCAGCACCTGAGGC  
CCCCAGCCCGCCGACCCGGAACCAACGCCGGCCGTTGATCTACAGCAGCAAATTATGACCATTAT  
AGATGA**ACTGGGCA**AGGCTTCTG**CAAGGCC**CAGAATCTTCCGCTCCTACTAGTGCATCAAGGATG  
CAGAGTAACCGCCATGTTGTTTATATTCTCAAGGACAGTTCAGCCCGACCGGCTGGAAAAGGAGCCATTA  
TTGGTTTCATCA**AGTTG**GATACAAGAAGCTCTTTGACTGGATGATCGTGAGGCTCATAATGAGGTAGA  
ACCACTTTGCATCCTGGACTTTTACATCCATGAGTCTGTGCAACGCCATGGCCATGGGCGAGA**ACTTTC**  
CAGTATATGTTGCAGAAAGGAGCGAGTGGAAACCGCAACTGGCAATTGACCGACCTCTCAGAAGCTGC  
TGAAATTCCTGAATAAGCACTACAATCTGGAGACCACAGTCCCACAGGTGAACA**ACTTTGT**GATCTTTGA  
AGGCTTCTTTGCCATCAACATCGGCCCCCTGCTCCCTCTCTGAGGGCAACTCGACTCTCGTGTCTGCT  
GCAGTCGATCCCACGCCCGCTGCTCCAGCAAGGAAGCTGCCACCCAAGAGAGCAGAGGGAGACATCAAGC  
CATACTCCTCTAGTGACCGAGAATTTCTGAAGGTAGCTGTGGAGCCTCCTTGCC**CCCTAA**CAGGGCCCC  
TCGCCCGCCACACTCCAGCCACCCACCCCGCTCCAGCAGCCTGGGAAACTCACCAGAA**CGAGGT**  
CCCTCCGCCCTTTGTGCCAGAGCAGGAGCTGCTGCGTTCTTGC**GCCTCT**GCCCCACACCCTACCG  
CCCGCTTCTGTTGGCTGCTGACCTGGGGCAGCCAGCTCAACGTCTGCGCACCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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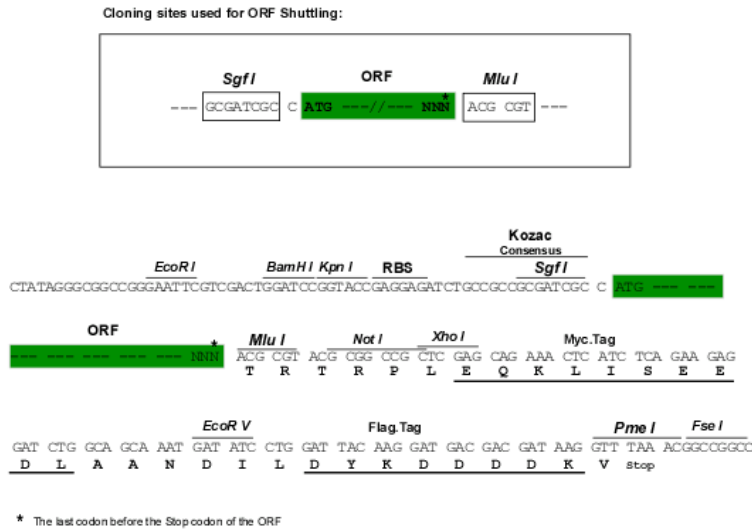
**Protein Sequence:** >RC219108 representing NM\_024909  
 Red=Cloning site Green=Tags(s)

MEFFPFDVDALFPERITVLDQHLRPPARRPGTTTPARVDLQQQIMTIIDELGKASAKAQNLSAPITSASRM  
 QSNRHVVYILKDSSARPAGKGAIGFIKVGKLLFVLDREAHNEVEPLCDFYIHESVQRHGHGRELF  
 QYMLQKERVEPHQLAIDRPSQKLLKFLNKHYNLETTVPQVNNFVIFEGFFAHQHRPPAPSLRATRHSRAA  
 AVDPTPAAPARKLPPKRAEGDIKPYSSSDREFLKVAVEPPWPLNRAPRRATPPAHPPPRSSSLGNSPERG  
 PLRPFVPEQELLRLCPPHPTARLLL AADPGGSPAQRRTTR

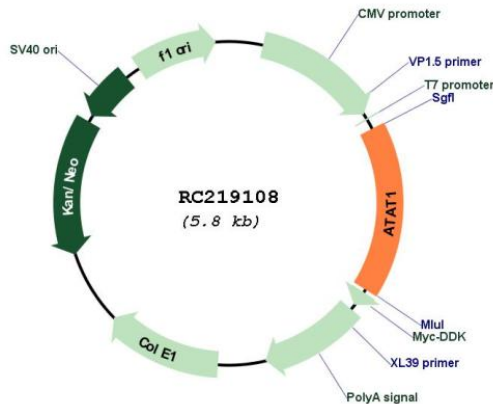
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_024909

**ORF Size:** 969 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_024909.1</a>, <a href="#">NP_079185.1</a></p>
<b>RefSeq Size:</b>	<p>2636 bp</p>
<b>RefSeq ORF:</b>	<p>1002 bp</p>
<b>Locus ID:</b>	<p>79969</p>
<b>UniProt ID:</b>	<p><a href="#">Q5SQI0</a></p>
<b>Cytogenetics:</b>	<p>6p21.33</p>
<b>MW:</b>	<p>37.9 kDa</p>
<b>Gene Summary:</b>	<p>This gene encodes a protein that localizes to clathrin-coated pits, where it acetylates alpha tubulin on lysine 40. This process may be important in microtubule growth, for instance during chemotaxis and the formation of cilium. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]</p>