

## Product datasheet for **RG231129**

### **C6orf134 (ATAT1) (NM\_001190724) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C6orf134 (ATAT1) (NM\_001190724) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ATAT1  
**Synonyms:** alpha-TAT; alpha-TAT1; C6orf134; MEC17; Nbla00487; TAT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231129 representing NM\_001190724  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGTTGACCTGGCCTTTCTGCTTCTCACAATAACCTTAAGGGAGGAGGGAGTGTGCCACCTTGAAA  
 GTGTTGATCTACAGCAGCAAATTATGACCATTATAGATGAACTGGGCAAGGCTTCTGCCAAGGCCAGAA  
 TCTTTCCGCTCCTATCACTAGTGCATCAAGGATGCAGAGTAACCGCCATGTTGTTTATATTCTCAAAGAC  
 AGTTCAGCCCGACCGGCTGGAAAAGGAGCCATTATTGGTTTCATCAAAGTTGGATACAAGAAGCTCTTTG  
 TACTGGATGATCGTGAGGCTCATAATGAGGTAGAACCCTTTGCATCCTGGACTTTTACATCCATGAGTC  
 TGTGCAACGCCATGGCCATGGGCGAGAACTCTTCCAGTATATGTTGCAGAAGGAGCGAGTGAACCGCAC  
 CAACTGGCAATTGACCGACCCTCACAGAAGCTGCTGAAATTCCTGAATAAGCACTACAATCTGGAGACCA  
 CAGTCCCACAGGTGAACAACTTTGTGATCTTTGAAGGCTTCTTTGCCATCAACATCCTCCAGCAAGGAA  
 GCTGCCACCAAGAGAGCAGAGGGAGACATCAAGCCATACTCCTCTAGTGACCGAGAATTTCTGAAGGTA  
 GCTGTGGAGCCTCCTTGCCCCCTAAACAGGGCCCTCGCCGCGCCACACCTCCAGCCACCCACCCCCC  
 GCTCCAGCAGCCTGGGAACTCACCAGAACGAGGTCCTCCGCCCTTTGTGCCAGAGCAGGAGCTGCT  
 GCGTTCCTTGCCTCTGCCCCACACCCTACCGCCCGCCTTCTGTTGGCTGCTGACCTGGGGCAGC  
 CCAGCTCAACGTGCTCGACCAGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG231129 representing NM\_001190724  
Red=Cloning site Green=Tags(s)

MWLTWPFCLTITLREEGVCHLESVDLQQQIMTIIDELGKASAKAQNLSAPITSASRMQSNRHVVYILKD  
 SSARPAGKGAIIIGFIKVGKYLFLVDDREAHNEVEPLCILDYIHEVQRHGHGRELQYMLQKERVEPH  
 QLAI DRPSQKLLKFLNKHYNLETTVPQVNNFVIFEGFFAHQHPPARKLPPKRAEGDIKPYSSSDREFLKV  
 AVEPPWPLNRAPRRATPPAHPPPRSSSLGNSPERGPLRPFVPEQELLRSLRSLRCPHPPTARLLLAADPGGS  
 PAQRRRTR

TRTRPLE - GFP Tag - V

**Restriction Sites:**

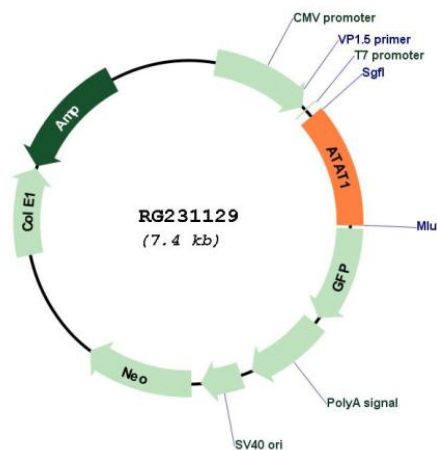
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001190724

**ORF Size:** 864 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001190724.3</a>
<b>RefSeq Size:</b>	2875 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	79969
<b>UniProt ID:</b>	<a href="#">Q5SQI0</a>
<b>Cytogenetics:</b>	6p21.33
<b>Gene Summary:</b>	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]