

Product datasheet for **RG229162**

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: TurboGFP
Symbol: C6orf134
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: >RG229162 representing NM_024909
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTTCCTCGATGTGGACGCGCTGTTCCCGGAGCGGATCACGGTCTGGACCAGCACCTGAGGC
 CCCCAGCCCGCCGACCCGGAACCAACGCCGGCCGTTGATCTACAGCAGCAAATTATGACCATTAT
 AGATGAACTGGCAAGGCTTCTGCCAAGGCCAGAATCTTCCGCTCCTACTAGTGCATCAAGGATG
 CAGAGTAACCGCCATGTTGTTTATATTCTAAAGACAGTTCAGCCCGACCGGCTGGAAAAGGAGCCATTA
 TTGGTTTCATCAAAGTTGGATAACAAGAAGCTCTTGTACTGGATGATCGTGAGGCTCATAATGAGGTAGA
 ACCACTTTGCATCCTGGACTTTTACATCCATGAGTCTGTGCAACGCCATGGCCATGGGCGAGAAGCTTTC
 CAGTATATGTTGAGAAGGAGCGAGTGGAAACCGCACCAACTGGCAATTGACCGACCTCACAGAAGCTGC
 TGAAATTCCTGAATAAGCACTACAATCTGGAGACCACAGTCCCACAGGTGAACAACCTTTGTGATCTTTGA
 AGGCTTCTTTGCCATCAACATCGGCCCTGCTCCCTCTCTGAGGGCAACTCGACACTCTCGTGTCTGCT
 GCAGTCGATCCCACGCCGCTGCTCCAGCAAGGAAGCTGCCACCAAGAGAGCAGAGGGAGACATCAAGC
 CATACTCCTCTAGTGACCGAGAATTTCTGAAGGTAGCTGTGGAGCCTCCTTGCCCTAACAGGGCCCC
 TCGCCGCGCCACACCTCCAGCCACCCACCCCGCTCCAGCAGCCTGGGAACTCACCAGAACGAGGT
 CCCCTCCGCCCTTTGTGCCAGAGCAGGAGCTGCTGCGTTCCTTGCCCTCTGCCCCACACCCCTACCG
 CCGCCTTCTGTTGGCTGCTGACCCTGGGGCAGCCAGCTCAACGTCGTCGCACCAGCTCCCTTCCCGG
 CTCTGAGGAGAGTCGATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229162 representing NM_024909
 Red=Cloning site Green=Tags(s)

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MEFFPFDVDALFPERITVLDQHLRPPARRPGTTTPARVDLQQQIMTIIDELGKASAKAQNLSAPITSASRM
QSNRHVVYILKDSSARPAGKGAIIIGFIKVGKLLFVLDREAHNEVEPLCILDYIHEVQRHGHGRELF
QYMLQKERVEPHQLAIDRPSQKLLKFLNKHYNLETTVPQVNNFVIFEGFFAHQHRPPAPSLRATRHSRAA
AVDPTPAAPARKLPPKRAEGDIKPYSSSDREFLKVAVEPPWPLNRAPRRATPPAHPPRSSLGNSPERG
PLRPFVPEQELLRSLRLCPPHPTARLLL AADPGGSPAQRRTSSLPRSEESRY
```

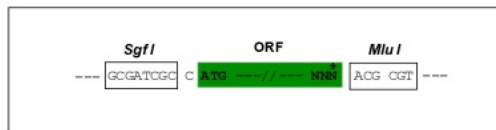
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2134_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_024909

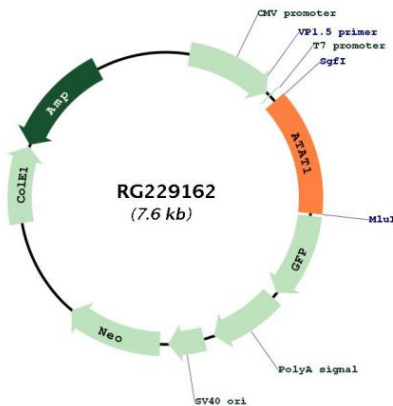
ORF Size: 999 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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_024909.4
RefSeq Size:	2195 bp
RefSeq ORF:	1002 bp
Locus ID:	79969
UniProt ID:	Q5SQI0
Cytogenetics:	6p21.33
Gene Summary:	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]

Product images:



Circular map for RG229162