

Product datasheet for **RG208373**

C6orf134 (ATAT1) (NM_001031722) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C6orf134 (ATAT1) (NM_001031722) 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: >RG208373 representing NM_001031722
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGTTGACCTGGCCTTTCTGCTTCTCACAATAACCTTAAGGGAGGAGGGAGTGTGCCACCTTGAAA
 GTGTTGATCTACAGCAGCAAATTATGACCATTATAGATGAACTGGGCAAGGCTTCTGCCAAGGCCAGAA
 TCTTTCCGCTCCTATCACTAGTGCATCAAGGATGCAGAGTAACCGCCATGTTGTTTATATTCTCAAAGAC
 AGTTCAGCCCACCGGCTGAAAAGGAGCCATTATTGGTTTCATCAAAGTTGGATACAAGAAGCTCTTTG
 TACTGGATGATCGTGAGGCTCATAATGAGGTAGAACCACCTTTCATCCTGGACTTTTACATCCATGAGTC
 TGTGCAACGCCATGGCCATGGGCGAGAACTCTTCCAGTATATGTTGCAGAAGGAGCGAGTGAACCGCAC
 CAACTGGCAATTGACCGACCCTCACAGAAGCTGCTGAAATTCCTGAATAAGCACTACAATCTGGAGACCA
 CAGTCCCACAGGTGAACAACCTTTGTGATCTTTGAAGGCTTCTTTGCCATCAACATCGGCCCCCTGCTCC
 CTCTCTGAGGGCAACTCGACACTCTCGTGTGCTGCAGTCGATCCACGCCCGCTGCTCCAGCAAGGAAG
 CTGCCACCAAGAGAGCAGAGGGAGACATCAAGCCATACTCCTCTAGTGACCGAGAATTTCTGAAGGTAG
 CTGTGGAGCCTCCTTGGCCCTAACAGGGCCCTCGCCGCGCCACACCTCCAGCCCACCCACCCCCCG
 CTCCAGCAGCCTGGAAACTCACCAGAACGAGGTCCCCCGCCCTTTGTGCCAGAGCAGGAGCTGCTG
 CGTTCCTTGGCCTCTGCCCCACACCCCTACCGCCGCTTCTGTTGGCTGCTGACCTGGGGGACAGC
 CAGCTCAACGTCGTCGCACCGGGGACTCCCCAGGTCTGGTAGCCCAAAGCTGCTGCTACAGCCGCCA
 TGGGGGGTGAATTCCTCATCCCCAATACAGGCAACCAAGACTCCAAGCAGGGAGAACAGGAAACAAAG
 AATAGGTCTGCCAGTGAGGAGCAGGCCTTGTACAGGATGGGTCTGGGAGAAGCCATGCACACAGCTC
 CTCCACAGGCCCGCCCGCCAGCCAGTCTGGACAGTGGGTGGGACATACTCAACGCCAGGTTTCAT
 TCGAAACCTGCAGGAACGTCGCAGCACCAGGCCTTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG208373 representing NM_001031722
 Red=Cloning site Green=Tags(s)

MWLTWPFCLTITLREEGVCHLESVDLQQQIMTIIDELGKASAKAQNLSAPITSASRMQSNRHVVYILKD
 SSARPAGKGAIIIGFIKVGKFLVDDREAHNEVEPLCDFYIHEVQRHGHGRELQYMLQKERVEPH
 QLAIDRPSQKLLKFLNKHYNLETTVPQVNNFVIFEGFFAHQHRPPAPSLRATRHSRAAAVDPTAAPARK
 LPPKRAEGDIKPYSSSDREFLKVAVEPPWPLNRAPRRATPPAHPPRSSLGNSPERGLRPFVPEQELL
 RSLRLCPPHTARLLLAADPGGSPAQRRTTRGTPPGLVAQSCCYSRHGGVNSSPNTGNQDSKQGEQETK
 NRSASEEQALSQDGSGEKPMHTAPPQAPAPPAQSWTVGGDILNARFIRNLQERRSTRPW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001031722

ORF Size: 1227 bp

OTI Disclaimer: 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001031722.4](#)

RefSeq Size: 1740 bp

RefSeq ORF: 1230 bp

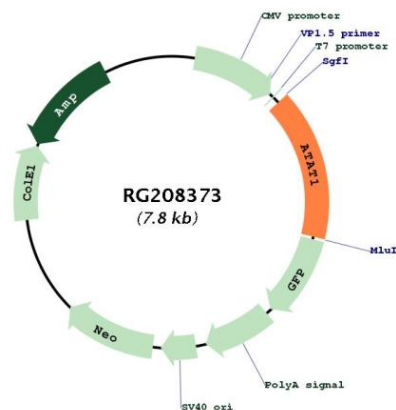
Locus ID: 79969

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 RG208373