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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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGTTGACCTGGCCTTTCTGCTTCCTCACAATAACCTTAAGGGAGGAGGGAGTGTGCCACCTTGAAA
GTGTTGATCTACAGCAGCAAATTATGACCATTATAGATGAACTGGGCAAGGCTTCTGCCAAGGCCCAGAA
TCTTTCCGCTCCTATCACTAGTGCATCAAGGATGCAGAGTAACCGCCATGTTGTTTATATTCTCAAAGAC
AGTTCAGCCCGACCGGCTGGAAAAGGAGCCATTATTGGTTTCATCAAAGTTGGATACAAGAAGCTCTTTG
TACTGGATGATCGTGAGGCTCATAATGAGGTAGAACCACTTTGCATCCTGGACTTTTACATCCATGAGTC
TGTGCAACGCCATGGCCATGGGCGAGAACTCTTCCAGTATATGTTGCAGAAGGAGCGAGTGGAACCGCAC
CAACTGGCAATTGACCGACCCTCACAGAAGCTGCTGAAATTCCTGAATAAGCACTACAATCTGGAGACCA
CAGTCCCACAGGTGAACAACTTTGTGATCTTTGAAGGCTTCTTTGCCCATCAACATCGGCCCCCTGCTCC
CTCTCTGAGGGCAACTCGACACTCTCGTGCTGCTGCAGTCGATCCCACGCCCGCTGCTCCAGCAAGGAAG
CTGCCACCCAAGAGAGCAGAGGGAGACATCAAGCCATACTCCTCTAGTGACCGAGAATTTCTGAAGGTAG
CTGTGGAGCCTCCTTGGCCCCTAAACAGGGCCCCTCGCCGCGCCACACCTCCAGCCCACCCACCCCCCCG
CTCCAGCAGCCTGGGAAACTCACCAGAACGAGGTCCCCTCCGCCCCTTTGTGCCAGAGCAGGAGCTGCTG
CGTTCCTTGCGCCTCTGCCCCCCACACCCTACCGCCCGCCTTCTGTTGGCTGCTGACCCTGGGGGCAGCC
CAGCTCAACGTCGTCGCACCAGGGGGACTCCCCCAGGTCTGGTAGCCCAAAGCTGCTGCTACAGCCGCCA
TGGGGGGGTGAATTCCTCATCCCCCAATACAGGCAACCAAGACTCCAAGCAGGGAGAACAGGAAACAAAG
AATAGGTCTGCCAGTGAGGAGCAGGCCTTGTCACAGGATGGGTCTGGGGAGAAGCCCATGCACACAGCTC
CTCCACAGGCCCCGGCCCCGCCAGCCCAGTCCTGGACAGTGGGTGGGGACATACTCAACGCCAGGTTCAT
TCGAAACCTGCAGGAACGTCGCAGCACCAGGCCTTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

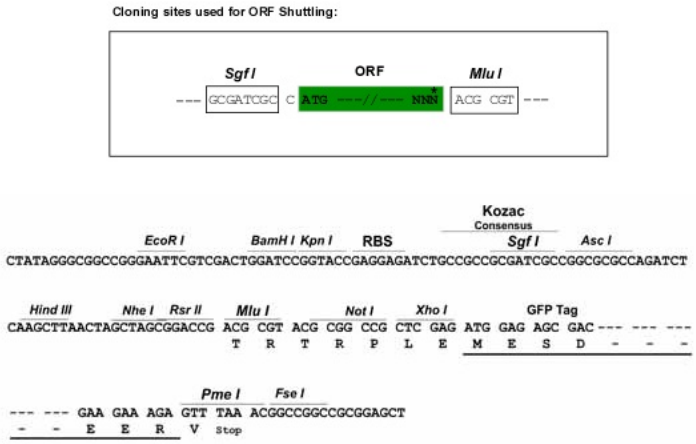
>RG208373 representing NM_001031722
Red=Cloning site Green=Tags(s)

MWLTWPFCFLTITLREEGVCHLESVDLQQQIMTIIDELGKASAKAQNLSAPITSASRMQSNRHVVYILKD
SSARPAGKGAIIGFIKVGYKKLFVLDDREAHNEVEPLCILDFYIHESVQRHGHGRELFQYMLQKERVEPH
QLAIDRPSQKLLKFLNKHYNLETTVPQVNNFVIFEGFFAHQHRPPAPSLRATRHSRAAAVDPTPAAPARK
LPPKRAEGDIKPYSSSDREFLKVAVEPPWPLNRAPRRATPPAHPPPRSSSLGNSPERGPLRPFVPEQELL
RSLRLCPPHPTARLLLAADPGGSPAQRRRTRGTPPGLVAQSCCYSRHGGVNSSSPNTGNQDSKQGEQETK
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).

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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_001031722.4

RefSeq Size: 1740 bp

RefSeq ORF: 1230 bp

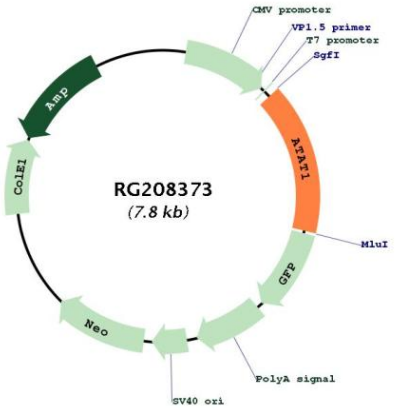
Locus ID: 79969

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

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