

Product datasheet for SC312949

C6orf134 (ATAT1) (NM_024909) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf134 (ATAT1) (NM_024909) Human Untagged Clone
Tag:	Tag Free
Symbol:	C6orf134
Synonyms:	alpha-TAT; alpha-TAT1; C6orf134; MEC17; Nbla00487; TAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312949 representing NM_024909. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTCCCGTTCGATGTGGACGCGCTGTTCCCGGAGCGGATCACGGTCTGGACCAGCACCTGAGG
CCCCAGCCCGCCGACCCGGAACCAACGCGGCCCGTGTGATCTACAGCAGCAAATATGACCATT
ATAGATGAACTGGGCAAGGCTTCTGCCAAGGCCAGAATCTTCCGCTCTACTAGTGCATCAAGG
ATGCAGAGTAACCGCCATGTTGTTTATATTCTCAAGGACAGTTCAGCCGACCGGCTGGAAAAGGAGCC
ATTATTGGTTTCATCAAAGTTGGATAACAAGAAGCTCTTGTACTGGATGATCGTGAGGCTCATAATGAG
GTAGAACCCTTTGCATCCTGGACTTTTACATCCATGAGTCTGTGCAACGCCATGGCCATGGGCGAGAA
CTTTCCAGTATATGTTGCAGAAGGAGCGAGTGAACCGCACCAACTGGCAATTGACCGACCTCTCAG
AAGCTGCTGAAATTCCTGAATAAGCACTACAATCTGGAGACCACAGTCCCACAGGTGAACAACCTTTGTG
ATCTTTGAAGGCTTCTTTGCCCATCAACATCGGCCCTGCTCCCTCTCTGAGGGCAACTCGACTCT
CGTGCTGCTGCAGTGCATCCACGCCCGTGTCCAGCAAGGAAGCTGCCACCAAGAGAGCAGAGGGGA
GACATCAAGCCATACTCCTCTAGTGACCGAGAATTTCTGAAGGTAGTGTGGAGCCTCCTTGCCCTCA
AACAGGGCCCTCGCCGCGCCACACCTCCAGCCACCCACCCCGCTCCAGCAGCCTGGGAACTCA
CCAGAACGAGGTCCCCTCCGCCCTTTGTGCCAGAGCAGGAGTCTGCTGCGTTCCTTGCCCTCTGCCCC
CCACACCTACCGCCCGCTTCTGTTGGCTGCTGACCTGGGGGAGCCAGCTCAACGTCTGCGCACC
AGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_024909
Insert Size:	972 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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_024909.1
RefSeq Size:	2195 bp
RefSeq ORF:	972 bp
Locus ID:	79969
UniProt ID:	Q5SQI0
Cytogenetics:	6p21.33
MW:	36.3 kDa
Gene Summary:	<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> <p>Transcript Variant: This variant (2) differs in the 5' and 3' UTRs and coding region compared to variant 1. The encoded isoform (2) has distinct N- and C-termini and is shorter than isoform 1.</p>