

Product datasheet for **SC321825**

C6orf134 (ATAT1) (NM_001031722) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf134 (ATAT1) (NM_001031722) Human Untagged Clone
Tag:	Tag Free
Symbol:	C6orf134
Synonyms:	alpha-TAT; alpha-TAT1; C6orf134; MEC17; Nbla00487; TAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001031722.1
 ATGGAGTTCCTGATGTGGACGCGCTTCCCGGAGCGGATCACGGTGTGGACCAG
 CACCTGAGGCCCCAGCCCGCCGACCCGGAACCACAACGCGCCCGGTGACAGCTCAA
 CCCACCCTCTGGCCCTTTTCTCCCGTTCTCTCAAACCTGGTCCAGGCACCACGCCCC
 CTTCTACTGACTAGTATCGCCCTTTTATGATGCCAGGCCTGCCTTTTGGTGACCTT
 GACCTGGGCTAGTGGGATTGATCAGCGCTTGGATCTGTGACCTTTCACCCCGGGCCCA
 AAATGTCCAATCAAAGGATGTGGTTGACCTGGCCTTTTGTCTTCTCACAATAACCTTA
 AGGGAGGAGGGAGTGTCCACCTTGAAAGTGTTGATCTACAGCAGCAAATTATGACCATT
 ATAGATGAACTGGCAAGGCTTCTGCCAAGGCCAGAATCTTCCGCTCTATCACTAGT
 GCATCAAGGATGCAGAGTAACCGCCATGTTGTTTATATTCTCAAAGACAGTTCAGCCGA
 CCGGCTGAAAAGGAGCCATTATTGGTTTCATCAAAGTTGGATACAAGAAGCTCTTTGTA
 CTGGATGATCGTGAAGGCTCATAATGAGGTAGAACCCTTTCATCCTGGACTTTTACATC
 CATGAGTCTGTGCAACGCCATGGCCATGGGCGAGAACTTCCAGTATATGTTGCAGAAG
 GAGCGAGTGAACCGCACCAACTGGCAATTGACCGACCCTCACAGAAGCTGCTGAAATTC
 CTGAATAAGCACTACAATCTGGAGACCACAGTCCACAGGTGAACAACCTTTGTGATCTTT
 GAAGGCTCTTTGCCATCAACATCGGCCCCCTGCTCCCTCTCTGAGGGCAACTGCACAC
 TCTCGTGTGCTGCAGTCGATCCACGCCCCTGCTCCAGCAAGGAAGCTGCCACCCAAG
 AGAGCAGAGGGAGACATCAAGCCATACTCCTCTAGTGACCGAGAAATTTCTGAAGGTAGCT
 GTGGAGCCTCCTTGGCCCTAAACAGGGCCCTCGCCGCGCCACACCTCCAGCCACCCA
 CCCCCCGCTCCAGCAGCCTGGGAAACTCACCAGAACGAGGTCCCTCCGCCCTTTGTG
 CCAGAGCAGGAGCTGTGCTTCTTGCCTCTGCCCCACACCCTACCGCCGCTT
 CTGTTGGCTGTGACCTGGGGCAGCCAGCTCAACGTCGTGCGACCAGGGGACTCCC
 CCAGTCTGGTAGCCCAAAGCTGCTGCTACAGCCGCCATGGGGGGTGAATTCCTCATCC
 CCCAATACAGGCAACCAAGACTCCAAGCAGGGAGAACAGGAAACAAGAATAGGTCTGCC
 AGTGAGGAGCAGGCTTGTACAGGATGGGTCTGGGGAGAAGCCATGCACACAGCTCCT
 CCACAGGCCCCGGCCCCCAGCCAGTCTGGACAGTGGGTGGGGACATACTCAACGCC
 AGGTTCAATCGAAACCTGCAGGAACGTCGACGACCAGGCTTGGTGACCGCAGCCCCGT
 CAAACATCTTCAAAGTATTATTTCTCCCTCACTACAGGAAAGAGCCAAAGCCCAACCTC
 ATAATAGATGGATACATTATTATTATTATTTATTTTATCACAACAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001031722

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:

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_001031722.1](#), [NP_001026892.1](#)

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]
Transcript Variant: This variant (1) encodes the longest protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.