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Product datasheet for SC327797

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:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024909, the custom clone sequence may differ by one or more nucleotides ATGGAGTTCCCGTTCGATGTGGACGCGCTGTTCCCGGAGCGGATCACGGTGCTGGACCAG CACCTGAGGCCCCCAGCCCGCCGACCCGGAACCACAACGCCGGCCCGTGTTGATCTACAG CAGCAAATTATGACCATTATAGATGAACTGGGCAAGGCTTCTGCCAAGGCCCAGAATCTT TCCGCTCCTATCACTAGTGCATCAAGGATGCAGAGTAACCGCCATGTTGTTTATATTCTC AAAGACAGTTCAGCCCGACCGGCTGGAAAAGGAGCCATTATTGGTTTCATCAAAGTTGGA TACAAGAAGCTCTTTGTACTGGATGATCGTGAGGCTCATAATGAGGTAGAACCACTTTGC ATCCTGGACTTTTACATCCATGAGTCTGTGCAACGCCATGGCCATGGGCGAGAACTCTTC CAGTATATGTTGCAGAAGGAGCGAGTGGAACCGCACCAACTGGCAATTGACCGACCCTCA CAGAAGCTGCTGAAATTCCTGAATAAGCACTACAATCTGGAGACCACAGTCCCACAGGTG AACAACTTTGTGATCTTTGAAGGCTTCTTTGCCCATCAACATCGGCCCCCTGCTCCCTCT CTGAGGGCAACTCGACACTCTCGTGCTGCTGCAGTCGATCCCACGCCCGCTGCTCCAGCA AGGAAGCTGCCACCCAAGAGAGCAGAGGGAGACATCAAGCCATACTCCTCTAGTGACCGA GAATTTCTGAAGGTAGCTGTGGAGCCTCCTTGGCCCCTAAACAGGGCCCCTCGCCGCGCC ACACCTCCAGCCCACCCACCCCCCCGCTCCAGCAGCCTGGGAAACTCACCAGAACGAGGT CCCCTCCGCCCCTTTGTGCCAGAGCAGGAGCTGCTGCGTTCCTTGCGCCTCTGCCCCCCA CACCCTACCGCCCGCCTTCTGTTGGCTGCTGACCCTGGGGGCAGCCCAGCTCAACGTCGT CGCACCAGCTCCCTTCCCCGCTCTGAGGAGAGTCGATAC
Restriction Sites:	Please inquire
ACCN:	NM_024909
Insert Size:	2163 bp

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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 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_024909.2, NP_079185.2

RefSeq Size: 2163 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]
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.