

Product datasheet for **SC324094**

ZZZ3 (NM_015534) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ZZZ3

Synonyms: ATAC1

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC (PS100020)

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015534.3 GTTTCCCAATGAGTGGATCATGATGACCGTATTGTAGGGACTTGCCATAGTATGGCTGCT
TCCCGATCTACTCGTGTACAAGATCAACAGTGGGGTTAAACGGCTTGGATGAATCTTTT
TGTGGTAGAACTTTAAGGAATCGTAGCATTGCGCATCCTGAAGAAATCTTCTAATTCT
CAAGTACGATCAAGATCACAAAGAAGAGACCAGAGCCTGTGCCAATTCAGAAAGGAAAT
AATAATGGGAGAACCCTGATTTAAACAGCAGAGTACCCGAGAATCATGGGTAAAGCCCT
AGGAAAAGAGGACTTTCTTCTCAGAAAAGGATAACATAGAAAGGCAGGCTATAGAAAAT
TGTGAGAGAAGGCAACAGAACCTGTTTCACCAGTTTTAAAAAGAAATTAAGCGTTGTCTT
AGATCTGAAGCACCAACAGTTTCAGAAAGAAGATTCTCTATAAAATCAGACAAGGAGTCA
GTAGAACAGAGGAGTACAGTAGTGGACAATGATGCAGATTTTCAAGGGACTAAACGAGCT
TGTCGATGTCTTATACTGGATGATTGTGAGAAAAGGAAATTAAGGTAATGTCACT
GAGGAAGGGCCACTTAATTCTGCAGTAGTTGAAGAAATCACAGGCTATTGGCTGTCAAT
GGTGTGTGACAGTGATTGAGCTGTTATAAACTGTGATGACTGTCAGCCTGATGGGAAC
ACTAAACAAAATAGCATTGGTTCCTATGTGTTACAGGAAAAATCAGTAGCTGAAAATGGG
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CATAAGGTGCCTTGACAGATTCACAAGTGCAGGTCAAGTTGGAGGACCACAAAATAGTA
ACTGCCTGCTTGCTGTGGAACATGTTAATCAGCTGACTACTGAGCCAGCTACAGGGCCC
TTTTCTGAACTCAGTCATCTTTAAGGGATTCTGAGGAGGAAGTAGATGTGGTGGGAGAT
AGCAGTGCCTCAAAAGAGCAGTGTAAGAAAAACCAATAACGAACTGGACACAAGTCTT
GAGAGTAGCCAGCCTCCGGAGAACCTGAACCATCTCCTGTTCTAGACTGTGTTTCAGCT
CAAATGATGTCTTATCAGAACCTCAAGAACATCGTTATACTCTGAGAACCTCACCACGA
AGGGCAGCCCCTACCAGAGGTAGTCCCACTAAAAACAGTTCTCCTTACAGAGAAAATGGA
CAATTTGAGGAGAATAATCTTAGTCTAATGAAACAAATGCAACTGTTAGTGATAATGTA
AGTCAATCTCTACAAATCCTGGTGAATTTCTCAAAATGAAAAAGGGATATGTTGTGAC
TCTCAAAATTAATGGAAGTGAAGGAGTAAGTAAACACCCCTCAGAGGCAAGACTCAATATT
GGACATTTGCCATCTGCCAAAGAGAGTGCCAGTCAGCACATTACAGAAGAGGAAGATGAT
GATCCTGATGTTTATTACTTTGAATCAGATCATGTGGCACTGAAACACAACAAAGATTAT
CAGAGACTATTACAGACGATTGCTGTACTCGAGGCTCAGCGTTCTCAAGCAGTCCAAGAC
CTTGAAAGTTTAGGCAGGCACCAGAGAGAAGCACTGAAAAATCCCATTGGATTGTGGAA



AAACTCCAGAAGAAGGCTGATATTGGGCTTCCATATCCACAGAGAGTTGTTCAATTGCCT
GAGATCGTATGGGACCAATATACCCATAGCCTTGGGAATTTTGAAAGAGAATTTAAAAAT
CGTAAAAGACATACTAGAAGAGTTAAGCTAGTTTTTGATAAAGTAGGTTTACCTGCTAGA
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GATGATACCAAACCTGAAACATTTAACCAGTTGTGGACTGTTGAAGAACAGAAAAAGCTG
GAACAGCTACTCATCAATACCCTCCTGAAGAAGTAGAATCTCGACGCTGGCAGAAGATA
GCAGATGAATTGGGCAACAGGACAGCAAAACAGGTTGCCAGCCGAGTACAGAAGTATTTT
ATAAAGCTAACTAAAGCTGGCATTCCAGTACCAGGCAGAACACCAAACCTTATATATATAC
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ATCATGTATAGGAATTTACCTGAATATAAAGAACTATTACAGTTTTAAAAAGTTAAAGAAG
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TGTGTGTCTCAGGGCACCAGTTACAATTACCTTGACCCAACTACTTTCCAGCAACAGAG
TGACATGGAAGAGAACATCATTTACTAGTCCTCTTCAACACATAGCAATGGTATCATTGT
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TATTAAGACAGTTTGTAGCCTTCAGTTTTGTGAAAATAGTTTTAGCAGACAGAACTGAC
TTCTTTAGACAAAGTTTAAACCAATGATGGTGTGTTGCTTCTAGGATATACACTTTAAAG
AACTCACTGTCCCAGTGGTGGTCATTGATGGCCTTTAGTAAATTGGAGCTGCTTAATCAT
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TACAGGAGGCAACTGTGGCATTGCTTCTTAAACCAGCTCATGGTGTGTAATGTTATAAA
ATTGTCACTCAGATATATTTTTAATGTAATGTTATATAAGATGATCATGTGATGTGTA
CAAACATATGGTGAAGGTGCCAGTGGTAGTAAGTGTGTAAGTTTCTAATTCACAACATT
AATTCCTTTAAATACACAGCCTTCTGCCTCTGTATTTGGAGTTGTGAGTACAACCTCATC
AAAGAAAACTGCCTAATATAAAATCATATATATGGTAATAATTTCCCTCTTTGTAGTC
TGCACAAGATCCATAAAAGATTGATTTTTATTACTATTTAAACAAGTGATTAAATTAG
TCTGCACAGTGAGCAAGGTTTACATGCATTCTTTTACTGCTGGATTTTGTGTGCAT
CATTTAAAAACATTTGTATGTTTCTTCTTATCTGTGTATACAGTATGTTCTTGAATGATG
TTCATTTGTGAGGAGAACTGTGAGAAATAAACTATGTGGATACTGTCTGTTTATATTTAA
AAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

ECORI-NOT

ACCN:

NM_015534

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015534.3, NP_056349.1</u>
RefSeq Size:	4347 bp
RefSeq ORF:	2712 bp
Locus ID:	26009
UniProt ID:	<u>Q8IYH5</u>
Cytogenetics:	1p31.1
Protein Families:	Transcription Factors
Gene Summary:	Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.