

Product datasheet for **SC107046**

ZZZ3 (NM_015534) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZZZ3 (NM_015534) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZZZ3
Synonyms:	ATAC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107046 sequence for NM_015534 edited (data generated by NextGen Sequencing)

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ATGGCTGCTTCCCAGTCTACTCGTGTACAAGATCAACAGTGGGGTTAAACGGCTTGGAT
GAATCTTTTTGTGGTAGAACTTTAAGGAATCGTAGCATTGCGCATCTGAAGAAATCTCT
TCTAATTCTCAAGTACGATCAAGATCACCAAAGAAGAGACCAGAGCCTGTGCCAATTCAG
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TGTCCTCCAGAAATGTCTTTGGATTTCTGTGATTCTTGTTCAGACTGTCTACATGAAACA
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AGAGACTACTGTGTGCTCAGGGCACAGTTACAATTACCTTGACCCAACTACTTTCCA
GCAAACAGATGA

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Clone variation with respect to NM_015534.4
 248 c=>t;1037 t=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015534 unedited ACTATAGGGCGGCGCGAATTCGGCACGAGGGTGTACAGGTTTCCCAATGAGTGGATC ATGATGACCGTATTGTAGGGACTTGCCATAGTATGGCTGCTTCCCGATCTACTCGTGTA CAAGATCAACAGTGGGGTTAAACGGCTTGGATGAATCTTTTTGTGGTAGAACTTTAAGGA ATCGTAGCATTGCGCATCCTGAAGAAATCTTCTAATCTCAAGTACGATCAAGATCAC CAAAGAAGAGACCAGAGCCTGTGCCAATTCAGAAAGGAAATAATAATGGGAGAACCACTG ATTTAAAACAGCAGAGTACCCGAGAATCATGGGTAAAGCCTTAGGAAAAGAGGACTTCTT CTTCAGAAAAGGATAACATAGAAAAGGCAGGCTATAGAAAATTGTGAGAGAAGGCAACACG AACCTGTTTCACCAAGTTTTAAAAAGAATTAAGCGTTGTCTTAGATCTGAAGCACCAACA GTTCAGAAGAAGATTCTCTATAAAAATCAGACAAGGAGTCAGTAGAACAGAGGAGTACAG TAGTGGACAATGATGCAGATTTTCAAGGGACTAAACGAGCTTGTGATGCTTATACTGG ATGATTGTGAGAAAGGAAATTANAGGTGAATGTCAGTGAGGAAGGGCCACTTANTNCTG CAGTAGTTGAAGAAATCACAGGCTATTTGGCTGTCAATGGGTGTGATGACAGTGATTCAG CTGTTATAACTGTGATGACTGTCAGCCTGATGGGAACACTANACANATAGCATTGGTTCC TATGTGTACAGGAAAATCAGTACTGAAATGGGATCCGATACCAACTTTCATGTCTTGTAG TAGAGGAGACGTTATAACATAAGTGCTGCCAATCCAGTGACAGTACGTGAGACAAAAGTAC TGGCTGTGGGACAGTATACTCTCTGGCAGTCAGCCTTTTGACTACTCTTAGATTAGAG AANATGGGGGAAAACAGCCAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015534 unedited CACAGGTTCTCCTGGCAAATGAACATCATTCAATAACATACTGTATACACAGGATAAGTA AGAAACATACAAAATGTTTTAAATGATGCACAACAAAATCCAGCAGTATAAAAGAATGCA TGTGAACCTTGTCACTGTGCAGACTAAATTTAATCACTTGTTTAAATAGTAATAAAAA TACAATCTTTTATGGATCTTGTGCAGACTACAAAAGAGGGAAATTATTACCATATATATG ATTTTTATATTAGGCAGTTTTCTTTGATGAGTTGTACTGACAACTCCAAATACAGAGGCA GAAGGCTGTGATTTTAAAGGAATTAATGTTGTGAATTAGAACTTTACACAGTTACTAC CACTGGCACTTTTACCATAGTTTGTACACATCACATGATCATCTTATATAACATTACAT TTAAAAATATATCTGAGTGACAATTTTATAACATTCACACACCATGAGCTGGTTAAGGA AGCAATGCCACAGTTGCCTCCTGTAGTCTTCACTGTTGGTAATTAAGGACAATTCATTG TGTTAAAAGAAAATTAGATATCAATATGATTAAGCAGCTCCAATTTACTAAAGGCCATC ATGACCACCACTGGGACAGTGAGTTCTTTTAAAGTGATATCCTAGAAGCAAACACCATC ATTGGTTAAAACCTTTGTCTAAAGAAGTCAGTTTCTGTGCTGANAACTATTTTACAAAAC TGAAAGCTACTAACTGTTTATATAAATACTTTGNCTTCTCATATCATATNTATGACCA AGTTCTGTGAAACCTTTGAATTTACTCTCTTTTATGTGTGCTCTCGTTTCATCTCACCC TTTGAGATACCACCTAAAACGCAGTGGT</p>
Restriction Sites:	ECORI-NOT
ACCN:	NM_015534
Insert Size:	4150 bp
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).
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_015534.3](#), [NP_056349.1](#)

RefSeq Size: 4347 bp

RefSeq ORF: 2712 bp

Locus ID: 26009

UniProt ID: [Q8IYH5](#)

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.