

Product datasheet for **MC229158**

Zzz3 (NM_001287139) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zzz3 (NM_001287139) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zzz3
Synonyms:	3110065C23Rik; 6430567E01Rik; AA408566; AI481057; AW556059; R75514
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229158 representing NM_001287139
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTAGGGACTTGCCATAGTATGGCTGCTCCCGATCTACTCGTGTACAAGATCAACAGTGGGGTTAA
 ACGGCTTGGATGAATCTTTTTGTGGTAGAACTTTAAGGAATCGTAGCATTGCTCACCCAGAAGAAATCTC
 TTCTATTCTCAAGTACGATCAAGATCACCAAAGAAGAGAGCAGAGCCTGTGCCAACTCAGAAAAGGAACC
 AATAATGGAAGAACCTCTGATGTGAGACAGCAGAGCGCTCGAGACTCATGGGTGAGCCCTAGGAAAAGAA
 GACTTTCTTCTCGAAAAGGATGACCTGGAAAGGCAGGCCCTAGAGAGTTGTGAGAGGAGGCAGGCAGA
 GCCAGCACCCAGTCTTAAGAACATTAACCGCTGTCTTAGAGCTGAAGCCACAATAGTTCAGAAGAA
 GATTCCGCTGTAAAACCAGACAAGGAGCCAGGAGAACACAGGAGGATAGTAGGGACCATGATGCAGACT
 TTCAAGGGGCTAAACGAGCTTGTGATGTCTTATATTGGATGATTGTGAGAAAAGGGAAGTTAAAAAGT
 GAATGTCAGTGAGGAAGGCCACTTAATGCTGCAGTAGTAGAAGAAATCACAGGCTATTTGACTGTCAAT
 GGTGTTGATGACAGTGACTCAGCTGTTATAAACTGTGATGACTGTCAGCCTGACGGGAACACTAAACAAA
 ATAACCTGGTTCCTGTGTGCTGCAAGGAAGATCAGTAGCTGGAGATGGGGATTTCGAAAACCCAGACCTC
 AGTGTCTGTGGTAGTAGGAAGGAGGACAGTTGTATAGACCATTTTCGTGCCTTGACAAAAGTCTGATGTG
 CAGGTCAAGTTGGAGGACCACAACTAGTAAGTGCCTGCCTACCTGTGGAACGACGAAAATCAGCTGACTG
 CCGAGTCAGCTTCAGGCCCTGTTTCTGAAATTCAGTCATCCTTAAGAGATTCTGAGGAAGAAGTAGATGT
 GGTGGGAGATAGCAGTGCCTCCAAGAGCAGTGTAAAGAGAAGCAGTAACCCCTGGACACGGTTCT
 GAACGCATGCCAGTCTCTGGAGAGCCAGAGCTGCCTCTATCCTAGACTGTGTTTCAGCTCAGATGACAT
 CTTTATCAGAACCTCAGGAACATCGGTACACCCCTGAGAACTTCACCTCGGAGGGCGCCCTGGCCGAAG
 TAGTCCTACTAAAACCACATCTCCTTACAGAGAAAATGGACAGTTGGAGGAGACTAATCTCAGTCCCCAG
 GAAACAAACACGACCGTTAGTGATCATGTGAGTGTCTCCACAGATCCTGCCGAAGTTCCTCAAGATG
 GAAAGTTCTATGTTGTGACTCTGAAAATATGGAAGTGAAGGACTAAGTAAGCCACCCTCAGAGGCCAG
 AGTGAATATTGGACATTTGCCATCTGCCAAGAGAGTGCAGTCAGCACACTGCCGAGGAGGAAGATGAT
 GACCCTGATGTTTATTACTTTGAATCAGATCATGTGCACTGAAACACAACAAAGATTATCAGAGACTGC
 TACAGACCATTGCTGTACTTGAGGCTCAGCGTTCCCAAGCAGTGAAGACCTGAAAAGTTTAGGCAAAACA
 CCAGAGAGAAGCACTAAAAATCCTATTGGATTTGTGGAGAACTTCAGAAGAAGGCTGACATAGGGCTT
 CCATACCCACAGAGATTGTTTCAGTTACCTGAGATCATGTGGGACCAGTACACCAATAGCCTTGGGAACT
 TTGAAAGAGAATTTAAACACCGCAAAAGACATACTAGGAGAGTTAAGTTAGTTTTTGATAAAGGGTTGCC
 CGCTAGACCAAAAAGTCTTTAGATCCTAAGAAGGATGGAGAATCCCTTTTCGTAATCCATGTTGCCTTTG
 AGTGTGTTCCAGAAGGCTCCCATAAACCGTCTCAGATGATAAGAGGTCGCTGTGTGACGACAGCAAGC
 CCGAGACCTTCAACCAGCTGTGGACTGTTGAAGAACAGAAAAAATCGAACAGCTACTCCTGAAATACCC
 TCCCGAAGAAGTGAATCTCGGCGGTGGCAGAAGATTGCTGATGAACTGGGCAACCGGACAGCCAAACAG
 GTCGCCAGTCGTGTACAGAAGTACTTCATAAAGCTAACGAAAGCCGGCATACCAGTTCAGGCAGAACAC
 CTAACCTTATATATACTCCAGAAAGTCTCAACAAGCAGGCGACAGCACCCCTTAATAAGCACCTCTT
 TAAACCTTCCACTTTCATGACTTCACATGAGCCACCGGTGTACATGGATGAAGATGATGACCGGCTCTGT
 CTCCATAGCCACATGAGCACTGCTGCTGAGGAGGCTCAGATGAAGAAAGCATTCTCATATATAGGA
 GTTTACCTGAATATAAAGAACTATTACAGTTTAAAAAGTTAAAAAAGCAGAACTTCAACAAATGCAAGC
 AGAAAGTGGGTTTGTGACGACGTAGGCTTTAAGTGTGATAACTGTGGTGTGGAACCTATCCAAGGAGTC
 CGGTGGCACTGCCAGGACTGCCCTCCAGAAATGTCTTTGGATTTCTGTGACTCTTGTTCAGACTGCCAC
 ATGAAACAGATATTCACAAGGAAGACCACAGTTAGAACCTGTTTATAAGTCAGAGACGTTCTTAGACAG
 AGATTACTGTGTGCCAGGCCACAGTTATAGTTATCTGGACCCCACTACTTCCAGCCAACAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001287139

Insert Size:	2730 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001287139.1, NP_001274068.1</u>
RefSeq Size:	7546 bp
RefSeq ORF:	2730 bp
Locus ID:	108946
Cytogenetics:	3 H3
Gene Summary:	<p>Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded protein (isoform b) is shorter than isoform a. 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.</p>