

Product datasheet for **MG217512**

Zzz3 (NM_001080755) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zzz3 (NM_001080755) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zzz3
Synonyms:	3110065C23Rik; 6430567E01Rik; AA408566; AI481057; AW556059; R75514
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217512 representing NM_001080755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTAGGGACTTGCCATAGTATGGCTGCTCCCGATCTACTCGTGTACAAGATCAACAGTGGGGTTAA
 ACGGCTTGGATGAATCTTTTGTGGTAGAACTTTAAGGAATCGTAGCATTGCTCACCCAGAAGAAATCTC
 TTCTATTCTCAAGTACGATCAAGATCACCAAAGAAGAGAGCAGAGCCTGTGCCAACTCAGAAAAGGAACC
 AATAATGGAAGAACCTCTGATGTGAGACAGCAGAGCGCTCGAGACTCATGGGTGAGCCCTAGGAAAAGAA
 GACTTTCTTCTCGAAAAGGATGACCTGGAAAGGCAGGCCCTAGAGAGTTGTGAGAGGAGGCAGGCAGA
 GCCAGCACCCAGTCTTAAGAACATTAACCGCTGTCTTAGAGCTGAAGCCACAATAGTTCAGAAGAA
 GATTTCGCCTGTAAAACCAGACAAGGAGCCAGGAGAACACAGGAGGATAGTAGGGACCATGATGCAGACT
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 GAATGTCAGTGAGGAAGGCCACTTAATGCTGCAGTAGTAGAAGAAATCACAGGCTATTTGACTGTCAAT
 GGTGTTGATGACAGTGACTCAGCTGTTATAAACTGTGATGACTGTCAGCCTGACGGGAACACTAAACAAA
 ATAACCTGTTCTGTGTGCTGCAAGGAAGAATCAGTAGCTGGAGATGGGGATTCCGAAAACCCAGACCTC
 AGTGTCTGTGGTAGTAGGAAGGAGACAGTTGTATAGACCATTTTCGTGCCTTGACAAAAGTCTGATGTG
 CAGGTCAAGTTGGAGGACCACAACTAGTAAGTGCCTGCCTACCTGTGGAACGACGAAAATCAGCTGACTG
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 GAACGCATGCCAGTCTCTGGAGAGCCAGAGCTGCCTCTATCCTAGACTGTGTTTCAGCTCAGATGACAT
 CTTTATCAGAACCTCAGGAACATCGGTACACCCTGAGAACTTCACCTCGGAGGGCCCTGGCCGAAG
 TAGTCCTACTAAAACCACATCTCCTTACAGAGAAAATGGACAGTTGGAGGAGACTAATCTCAGTCCCCAG
 GAAACAAACACGACCGTTAGTGATCATGTGAGTGTCTCCACAGATCCTGCCGAAGTTCTCAAGATG
 GAAAGTTCTATGTTGTGACTCTGAAAATATGGAAGTGAAGGACTAAGTAAGCCACCCTCAGAGGCCAG
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 CCAGAGAGAAGCACTAAAAATCCTATTGGATTTGTGGAGAACTTCAGAAGAAGGCTGACATAGGGCTT
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 GCCCGCTAGACCAAAAAGTCCTTTAGATCCTAAGAAGGATGGAGAATCCCTTTCGTACTCCATGTTGCC
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 GGAGTTTACCTGAATATAAAGAAGTATTACAGTTTAAAAAGTTAAAAAAGCAGAACTTCAACAAATGCA
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 CACATGAAACAGATATTCACAAGGAAGACCACCAGTTAGAACCTGTTTATAAGTCAGAGACGTTCTTAGA
 CAGAGATTACTGTGTGCCAGGCACCAGTTATAGTTATCTGGACCCCACTACTTCCAGCCAACAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – **GTTTAA**

Protein Sequence: >MG217512 representing NM_001080755
 Red=Cloning site Green=Tags(s)

MVGTCHSMAASRSTRVTRSTVGLNGLDESFCGRTLNRNSIAHPPEISSHSQVRSRSPKKRAEPVPTQKGT
 NNGRTSDVRQQSARDSWVSPKRRLSSSEKDDLERQALDESCERRQAEPAPPVFKNIKRCLRAEATNSSEE
 DSPVKPKDEPGEHRRIVVDHADDFQAKRACRCLILDDCEKREVKVNVSEEGPLNAADVVEEITGYLTVN
 GVDDSDSAVINCDQCQPDGNTKQNNPGSCVLEQESVAGDGDSETQTSVFCGSRKEDSCIDHFVPCTKSDV
 QVKLEDHKLVTACL PVERRNQLTAESASGPVSEIQSSLRDSEEEVDVVGDSASKEQCNESSNPLDTGS
 ERMPVSGEPELSSILDCVSAQMTSLSEPQEHRYLRTSPRRAALARSSPTKTTSPYRENGQLEETNLSPQ
 ETNTTVSDHVSESPDPAEVPQDGKVLCCDSENYGSEGLSKPPSEARVNI GHLPSAKESASQHTAEEEDD
 DPDVYYFESDHVALKHNKDYQRLQLTIAYLEAQRSQAVQDLESLGKHQREALKNPIGFVEKLQKKADIGL
 PYPQRVVQLPEIMWDQYTNLSGNFEREFKHKRHRTRRVKLVFDKVG LPARPKSPLDPKKDGESLSYSMLP
 LSDGPEGSHNRPQMIRGRLCDDSKPETFNQLWTVEEQKLEQLLLKYPPEEVE SRRWQKIADELGNRTAK
 QVASRVQKYFIKLTAGIPVPGTRPNLYIYSRKSSTRRQHPLNKHLFKPSTFMTSHEPPVYMEDEDDRS
 CLHSHMSTAAEEASDEESIPIIYRSLPEYKELLQFKLKKQKLQMQAESGFVQHVGFKDCNCGVEPIQG
 VRWHCQDCPPEMSLDFDCSDCPHETDIHKEDHQLPEVYKSETFLDRDYCVSQGTSYSYLDPNYFPANR

TRTRPLE - GFP Tag - V

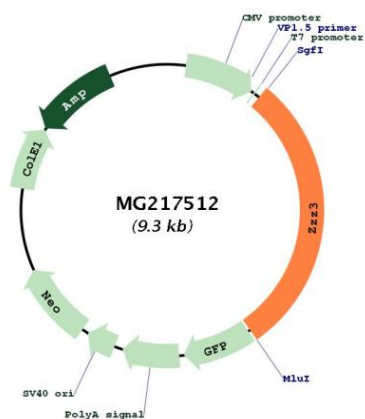
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001080755
ORF Size:	2730 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001080755.2 , NP_001074224.1
RefSeq Size:	7601 bp
RefSeq ORF:	2733 bp
Locus ID:	108946
UniProt ID:	Q6KAQ7
Cytogenetics:	3 H3
Gene Summary:	Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217512