

Product datasheet for **RG207828**

ZZZ3 (NM_015534) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZZZ3 (NM_015534) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZZZ3
Synonyms:	ATAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG207828 representing NM_015534
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGCTTCCCGATCTACTCGTGTTACAAGATCAACAGTGGGGTTAAACGGCTTGGATGAATCTTTTT
 GTGGTAGAACTTTAAGGAATCGTAGCATTGCGCATCCTGAAGAAATCTTCTAATTCTCAAGTACGATC
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 ATAACATAGAAAAGGCAGGCTATAGAAAATTGTGAGAGAAGGCAACAGAACCTGTTTCACCAAGTTTTAA
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 GGGCACCGATTACAATTACCTTGACCCAACTACTTTCCAGCAACAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207828 representing NM_015534
 Red=Cloning site Green=Tags(s)

MAASRSTRVTRSTVGLNGLDESF CGRTLNRNSIAHP EEISSNSQVRSRSPKKRPEPVPIQKGNNGRRTD
 LKQOSTRESWVSPRKRGLSSSEKDNIERQAIENCERRQTEPVSPVLKRIKRLRSEAPNSSEEDSPIKSD
 KESVEQRSTVVDNDA DFQGTKRACRCLILD DCEKREIKKVNVEEGPLNSAVVEEITGYLAVNGVDDSDS
 AVINCDDCQPDGNTKQNSIGSYVLQEKSVAENGD TDTQTS MFLDSRKEDSYIDHKVPCTDSQVQVKLEDH
 KIVTACL PVEHVNQLTTEPATGPFSETQSSLRDSEEEVDVVGDSASKEQCKENTNNELDTSLESMPASG
 EPEPSPVLDCVSAQMMSLSE PQEHRYTLRTSPRRAAPTRGSPTKNSSPYRENGQFEENLSPNETNATVS
 DNVSQSP TNPGEISQNEKGI CCDSQNGSEGVS KPPSEARLNIGHLPSAKESASQHI TEEEDDDPDVYF
 ESDHVALKH NKDYQRLLQTI AVLEAQR SQAVQDLESLGRHQREALKNPIGFVEKLQKKADIGLPYQRRV
 QLPEI VWDQYTHSLGNFEREFKNRKRHTRRVKLVFDKVG LPARPKSPLDPKKDGESLSY SMLPLSDGPEG
 SSSRPQMIRGRLCDDTKPETFNQLWTVEEQKLEQLLIKYPPEEVSRRWQKI ADELGNRTAKQVASRVQ
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 TAVEDASDDESIPI MYRNLPEYKELLQFKLKKQKLQMQAESGFVQHVGFKCDNCGIEPIQGV RWHCQD
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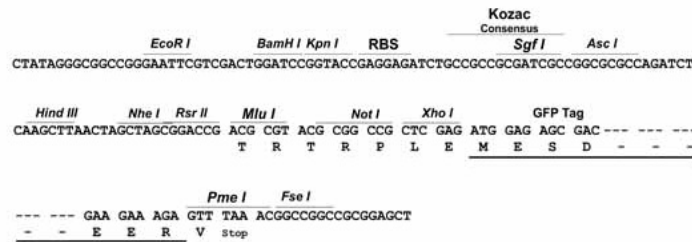
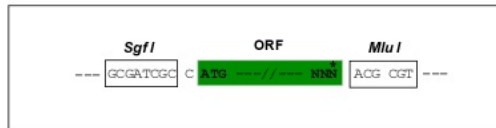
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

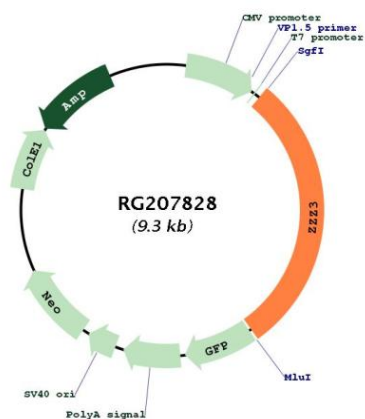
Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:	NM_015534
ORF Size:	2709 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_015534.6
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]

Product images:



Circular map for RG207828