

Product datasheet for **RG213196**

ZIM3 (NM_052882) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZIM3 (NM_052882) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZIM3
Synonyms:	ZNF264; ZNF657
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213196 representing NM_052882
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAACAATCCAGGGAAGAGTGACCTTCGAGGATGTCACTGTGAACCTCACCCAGGGGAGTGGCAGC
 GGCTGAATCCCGAACAGAGAACTTGTACAGGGATGTGATGCTGGAGAATTACAGCAACCTGTCTCTGT
 GGGACAAGGGGAAACCAACCCGATGTGATCTTGAGGTTGGAACAAGGAAAGGAGCCATGGTTGGAG
 GAAGAGGAAGTGCTGGGAAGTGGCCGTGCAGAAAAATGGGGACATTGGAGGGCAGATTTGGAAGCCAA
 AGGATGTGAAAGAGAGTCTCGAAGAGAAGTCCCATCAATCAATAAGGAAACGCTGACTACGCAGAAAGG
 TGTAGAATGTGACGATCTAAGAAAATACTTCCACTGGGCATAGATGATGATCTTCTTCAACACTAT
 GTACAAAATAATTCTCAGATGATAATGGATACAGAAAATTAGTTGGCAATAATCCATCCAAATTTGTAG
 GACAACAAGTGAATGTAATGCCTGTAGAAAGTTATTCAGTTCAAAGTCACGCCTTCAAAGTCACCTGAG
 GAGGCATGCCTGTCAAAAACCTTTGAATGTCATAGCTGTGGAAGAGCATTCTGGGAGAAAGTGAAGCTT
 GATAAACATCAGAAAACCTCACGCAGAGGAAAGGCCCTATAAATGTGAGAACTGTGGAAATGCCTACAAGC
 AGAAGTCAAACTCTTTCAACATCAGAAAATGCATACTAAAGAGAAACCTTATCAGTGTAAGACATGTGG
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 TGTAAATGAATGTGAGAAATCCTTCAGGCAGAACTCAACCTCATTCAACATAAAAAAGTTCACTGGAC
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 AATACACACGGGAGAGAAACCTATAAATGTAGCATATGTGAGAGGCCCTTTCCAGAAATCCAATGTC
 ATCGATCATGAGAAAATTCACACTGGGAAGAGAGCTTATGAGTGTGATCTATGTGAAATACCTTTATCC
 AGAAGAAAAACCTCATTCAACATAAAAAATCCATACTGGGAAAAAGCCCTATGAATGTAAACAGATGTGG
 AAAAGCCTTCTTTGAGAAGTCAAACCTTCATAGCCATCAGAAAACCTCATAGCGGAGAGAGGACCTATAGA
 TGTAGTGAATGTGAAAAACCTTCATCCGAAATTAACCTTAGTTGCATAAAAAAACCCATACTGGAC
 AAAACCTTATGGATGTTCTGAATGCGGTAAAGCCTTCGCTGACAGGTCATACCTGTTAGGCACCAGAA
 AAGAATCACTCCAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

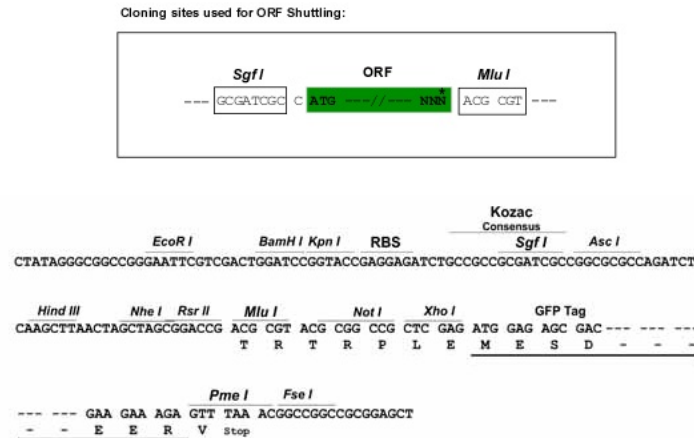
>RG213196 representing NM_052882
 Red=Cloning site Green=Tags(s)

MNNSQGRVTFEDVTVNFTQGEWQRLNPEQRNL YRDMLENYSNL VSVGQGETTKPDVILRLLEQGKEPWLE
 EEEVLGSGRAEKNGDIGGQIWKPKDVKESLAREVPSINKETLTQKGVCDGSKKILPLGIDDVSSLQHY
 VQNNSHDDNGYRKLVGNPNSKFFVGQQLKCNACRKLFSKSRQLQSHLRRHACQKPFECCHSCGRAFGKWK
 DKHQKTHAEERPDKCENCGNAYKQKSNLFQHQKMHTEKPYQCKTCGKAFSWKSSCINHEKIHNAKKSQY
 CNECEKSFQNSTLIQHKVHTGQKPFQCTDCGKAFIYKSDLVKHQRIHTGEKPYKCSICEKAFSQKSNV
 IDHEKIHTGKRAYECDLCGNTFIQKKNLIQHKIHTGEKPYECNRCGAFFQKSNLHSHQKTHSGERTYR
 CSECGKTFIRKLNLSLHKHTHTGQKPYGCSECGKAFADRSYLVRHQKRIHSR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_052882

ORF Size: 1416 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:

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: [NM_052882.1](#), [NP_443114.1](#)

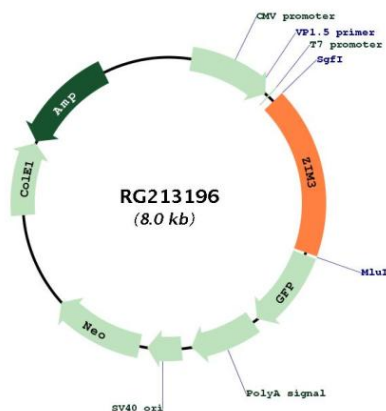
RefSeq Size: 2627 bp

RefSeq ORF: 1419 bp

Locus ID: 114026

UniProt ID: [Q96PE6](#)
 Cytogenetics: 19q13.43
 Protein Families: Transcription Factors
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213196