

Product datasheet for **RC213196**

ZIM3 (NM_052882) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZIM3 (NM_052882) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZIM3
Synonyms:	ZNF264; ZNF657
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC213196 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAACAATCCAGGGAAGAGTGACCTTCGAGGATGTCACTGTGAACCTCACCCAGGGGAGTGGCAGC
 GGCTGAATCCCGAACAGAGAACTTGTACAGGGATGTGATGCTGGAGAATTACAGCAACCTGTCTCTGT
 GGGACAAGGGGAAACCAACCCGATGTGATCTTGAGGTTGGAACAAGGAAAGAGCCATGGTTGGAG
 GAAGAGGAAGTGCTGGGAAGTGGCCGTGCAGAAAAATGGGGACATTGGAGGGCAGATTTGGAAGCCAA
 AGGATGTGAAAGAGAGTCTCGAAGAGAAGTCCCATCAATCAATAAGGAAACGCTGACTACGCAGAAAGG
 TGTAGAATGTGACGGATCTAAGAAAATACTTCCACTGGGCATAGATGATGATCTTCTTCAACACTAT
 GTACAAAATAATTCTCAGATGATAATGGATACAGAAAATTAGTTGGCAATAATCCATCCAAATTTGTAG
 GACAACAAGTGAATGCTGTAGAAAGTTATTCAGTTCAAAGTCACGCCTTCAAAGTCACCTGAG
 GAGGCATGCCTGTCAAAAACCTTTGAATGTCATAGCTGTGGAAGAGCATTCTGGGAGAAAGTGAAGCTT
 GATAAACATCAGAAAACCTACGCAGAGGAAAGGCCCTATAAATGTGAGAACTGTGGAAATGCCTACAAGC
 AGAAGTCAAACTCTTTCAACATCAGAAAATGCATACTAAAGAGAAACCTATCAGTGTAAGACATGTGG
 AAAAGCCTTTCTCGAAATCATCCTGCATTAATCATGAGAAAATTCATAATGCCAAGAAATCCTATCAG
 TGTAAATGAATGTGAGAAATCCTTCAGGCAGAACTCAACCTCATTCAACATAAAAAAGTTACACTGGAC
 AAAAACCTTTCAATGTACGGACTGTGGAAGGCTTTCATTTACAAGTCAGATCTTGTGAAACACCAGAG
 AATACACACGGGAGAGAAACCTATAAATGTAGCATATGTGAGAGGCCCTTTCCAGAAATCCAATGTC
 ATCGATCATGAGAAAATTCACACTGGGAAGAGAGCTTATGAGTGTGATCTATGTGAAATACCTTTATCC
 AGAAGAAAAACCTCATTCAACATAAAAAATCCATACTGGGAAAAAGCCCTATGAATGTAAACAGATGTGG
 AAAAGCCTTCTTTCAGAAAGTCAAACCTTCATAGCCATCAGAAAACCTCATAGCGGAGAGAGGACCTATAGA
 TGTAGTGAATGTGAAAAACCTTCATCCGAAATTAACCTTAGTTGCATAAAAAAACCCATACTGGAC
 AAAACCTTATGGATGTTCTGAATGCGGTAAAGCCTTCGCTGACAGGTCATACCTGTTAGGCACCAGAA
 AAGAATCACTCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213196 protein sequence
 Red=Cloning site Green=Tags(s)

MNNSQGRVTFEDVTVNFTQGEWQRLNPEQRNL YRDVMLENYSNL VSVGQGETTKPDVILRLEQGKEPWLE
 EEEVLGSGRAEKNGDIGGQIWKPKDVKESLAREVPSINKETLTQKGVCDGSKKILPLGIDDVSSLQHY
 VQNNSHDDNGYRKLVGNPNPSKFVGQQLKCNACRKLFSKSRQLQSHLRHACQKPFECCHSCGRAFGKWK
 DKHQKTHAEERPYPKENCNAYKQKSNLFQHQKMTKEKPYQCKTCGKAFSWKSSCINHEKIHNKKSQY
 CNECEKSFRQNSTLIQHKVHTGQKPFQCTDCGKAFIYKSDLVKHQRIHTGEKPYKCSICEKAFSQKSNV
 IDHEKIHTGKRAYECDLCGNTFIQKKNLIQHKIHTGEKPYECNRCGAFFQKSNLHSHQKTHSGERTYR
 CSECGKTFIRKLNLSLHKKTHGQKPYGCSECGKAFADRSYLVRHQKRIHSR

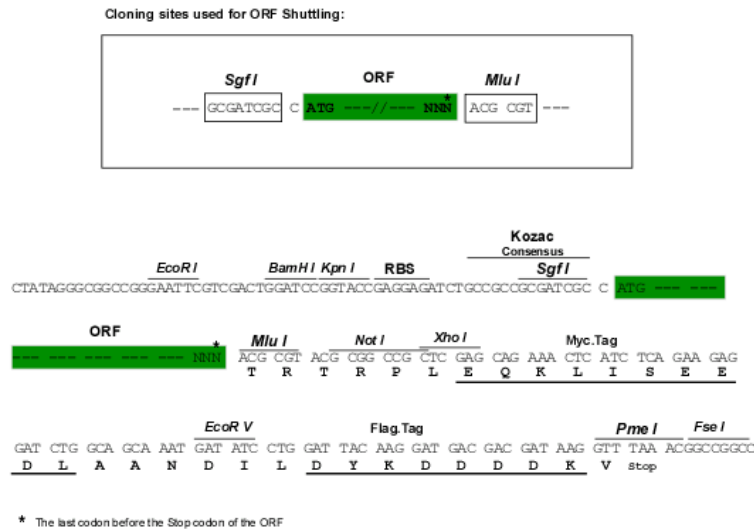
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6444_b10.zip

Restriction Sites:

Sgfl-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](#)

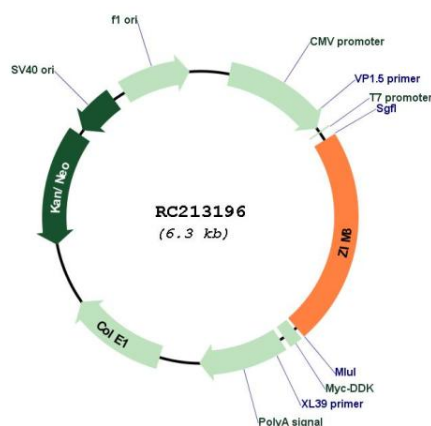
RefSeq Size: 2627 bp

RefSeq ORF: 1419 bp

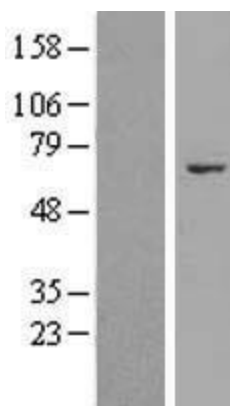
Locus ID: 114026

UniProt ID: Q96PE6
Cytogenetics: 19q13.43
Protein Families: Transcription Factors
MW: 54.5 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213196



Western blot validation of overexpression lysate (Cat# [LY409423]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213196 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).