

## Product datasheet for **SC327576**

### ZIM2 (NM\_001146326) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZIM2 (NM_001146326) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZIM2
Synonyms:	ZNF656
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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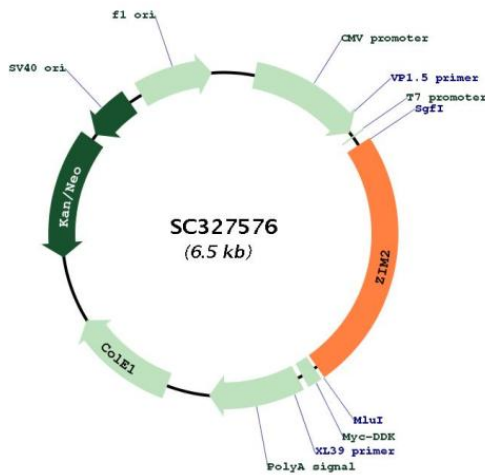
Fully Sequenced ORF: >SC327576 representing NM\_001146326.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
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GAGTCCCTACCACCTCACTCAGTCCATTCTTTCAGTGGTGACCGGGACTGGGACCGGAGGGGCAGAAGC
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CATTATAGAACTCACACTCAAGAGAGGCCTTACCAGTGTGAGTATGTGGGAAATGTTTCGGCCGACCC
TCATACCTCACTCAACATTATCAACTCCATTCTCAAGAGAAAACCTGTTGAGTGGCAGTCACTGTGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001146326

<b>Insert Size:</b>	1584 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001146326.1</a>
<b>RefSeq Size:</b>	2189 bp
<b>RefSeq ORF:</b>	1584 bp
<b>Locus ID:</b>	23619
<b>UniProt ID:</b>	<a href="#">Q9NZV7</a>
<b>Cytogenetics:</b>	19q13.43
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	61.2 kDa
<b>Gene Summary:</b>	<p>In human, ZIM2 and PEG3 (GeneID:5178) are two distinct genes that share a set of 5' exons and have a common promoter, and both genes are paternally expressed. Alternative splicing events connect the shared exons either with the remaining 4 exons unique to ZIM2, or with the remaining 2 exons unique to PEG3. This is in contrast to mouse and cow, where ZIM2 and PEG3 genes do not share exons in common, and the imprinting status of ZIM2 is also not conserved amongst mammals. Additional 5' alternatively spliced transcripts encoding the same protein have been found for the human ZIM2 gene. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (2) contains an additional 5' non-coding exon, therefore, differs in the 5' UTR compared to variant 1. Variants 1-6 all encode the same isoform (b).</p>