

## Product datasheet for **RR216316**

### **Pim2 (NM\_001172103) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Pim2 (NM\_001172103) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Pim2  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216316 representing NM\_001172103  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTGACCAAGCCTCTGCAGGGGCTTCCTTCGCCCCCTGTGACCCACGCAGCCTCCAGGAGGCAAGG  
ATCGGGCAGCTTTCGAGGCCGAATACCGACTTGGCCCTCCTGGGTAAAGGAGGCTTTGGCACCCTTT  
CGCGGGACACCGGTACGGATAGACGTCAGGTGGCCATCAAAGTAATCTCCCGAACCGTGTGCTAGGC  
TGGTCCACTGTGTCAGACTCAGTCACCTGCCACTTGGAGGTGGCACTGCTGTGGAAGGTGGGTGAAGGTA  
ATGGCCATCCGGGTGTGATCCGCCTGCTTGACTGGTTTGAGACACCAGAAGGCTTCATGCTGGTCTTGA  
GCGGCCTATGCCTGCCAGGATCTCTCGACTACATCACAGAGAAGGGTCCGCTGGGTGAAAGCTGTAGC  
CGCAGCTTCTCACCCAAGTAGTGGCAGCTGTCCAGCACTGCCACGCCCGTGGCCTTGTCCATCGTGACA  
TCAAGGATGAGAACATCCTGATAGACCTGTGCCGGGTCTGTTAAACTCATTGATTTCCGTTCTGGTGC  
GCTGCTTCATGATGAACCATACACGGACTTTGATGGGACAAGGGTGTACAGCCCTCCCGAGTGGATCTCG  
AGACACCAGTACCATGCCCTTCCAGCTACTGTCTGGTCACTGGGTGTCTACTCTATGACATGGTGTGTG  
GGGACATTCCTTCGAGAGAGATCAGGAGATTCTGGAGGCTGAGCTTCACTTCCCTGCTCACGTGTCCCC  
AGATTGCTGTGCCCTAATCCGACGGTGCCTGGCCCTAAACCCTGTTCCCGACCCCTCACTGGAGGAGATA  
CTGCTGGACCCCTGGATGCAAACACCGCTGAAGAAAAACCCATCAACCCCTCAAAGGAAGCCCCACCC  
CCTTGCCCTGGTCTCTGGGTCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216316 representing NM\_001172103  
Red=Cloning site Green=Tags(s)

MLTKPLQGLPSPVPTPTQPPGGKDRAAFEAEYRLGPLLGKGGFQVTFAGHRVTDRRQVAIKVISRNRVLG  
 WSTVSDSVTCPLEVALLWKVGEENGHPGVIRLLDWFETPEGFMLVLERPMPAQDLFDYITEKGPLGESCS  
 RSFFTQVVAVQHCARGVVRHRDIKDENILIDLGRSVKLIIDFGSGALLHDEPYTDFDGRVYSPPEWIS  
 RHQYHALPATVWSLGVLLYDMVCGDIPFERDQEILEAELHFPAAHVSPDCCALIRRCLAPKPCSRPSLEEI  
 LLDPWMQTPAEEKPINPSKSGSPTPLPWSLGP

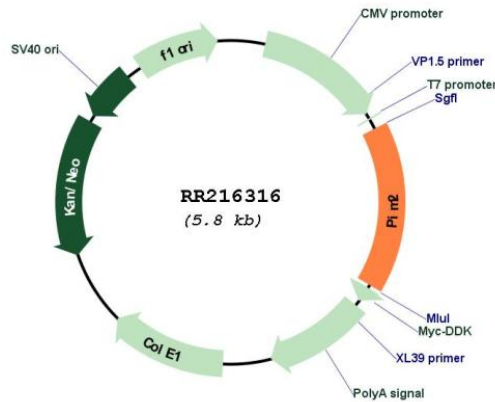
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001172103

<b>ORF Size:</b>	933 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001172103.1</a> , <a href="#">NP_001165574.1</a>
<b>RefSeq Size:</b>	2026 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	317366
<b>Cytogenetics:</b>	Xq12
<b>MW:</b>	34.4 kDa