

## Product datasheet for **RR208060**

### Zp2 (NM\_031150) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zp2 (NM_031150) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zp2
Synonyms:	Zp-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR208060 representing NM\_031150  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCTAGGTGGCAGAGAGTCTACTGGTTGCGTTCCTCTCTTTCGCCCTTGTGACTTCAGTAAATTCAT  
TAAGCCTTCCTCAGTCAGAGAATCCTGCCTCCAGGCACTCTCATTTGTGATAAAGATGAAGTGAGAGT  
AGAATTTTCAAGCAGATTTGACATGAAAAAGTGAATCCTTCTTGGTGGATACCTTTGGTAAATGAAAT  
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AAGTGATTGGTGGATACCAGGTGAACATCAGAGTGCAGGACACCAATGCTGATGTAAGCTATAAAGATGA  
CGTGCATCACTTTTTCTGCCAGCTATTCAAGCAGAGATTCATGAGGTCTCAGAAATTTGTGTGCATG  
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ACAAGGATTTAATCTCCTGATTGACAGCCAGAAAATAACCTCCATGTGCCAGCCAATGCTACCGGAGTA  
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AGAAGATCACCTTCTTCAAGCTATCTGTGCACCAGATCTTCTGTGGCTTGAATGTGACACACAT  
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TAACCTCCAAGGGGACATGCTATCCACAGTGATTGATCCCAGTGCCACTGTGAGTACCCGGTCTCCATA  
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ACCTGGAGAGCCTCCTGGTGGGAACTCCTGCCAGCCTATTTTCAAGGTTCACTCTCTGGGGCTTGC  
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CCGTGAGATGCCATTACATCAGAGACAGTATGCTACTAAGGGCCCATATCAAAGCCATTCTTCTCCAGT  
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TATAGGAAGAATGAGTACCCTCTAGTGAGGTACCTCCGCCAGCCCATCTACATGGAAGTGACAGTCTTGA  
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CAGAGTCTCGGGGCTCTCCAGCCTGATCTACTTCCACTGCAGTGCCTTGATCTGTAACCAAGCCTCCCC  
TCTGTGCTCTGTGACTTGCCCTGCACCCTGAGGAACAAACGAGAGGCCAGCAAAGAAGGCACAATGACG  
GTTAGCCTCCCAGGACCTATTATCTTGTGTGAGATGACTCTTCAATCAAAGGTGTAATGAACCTGACA  
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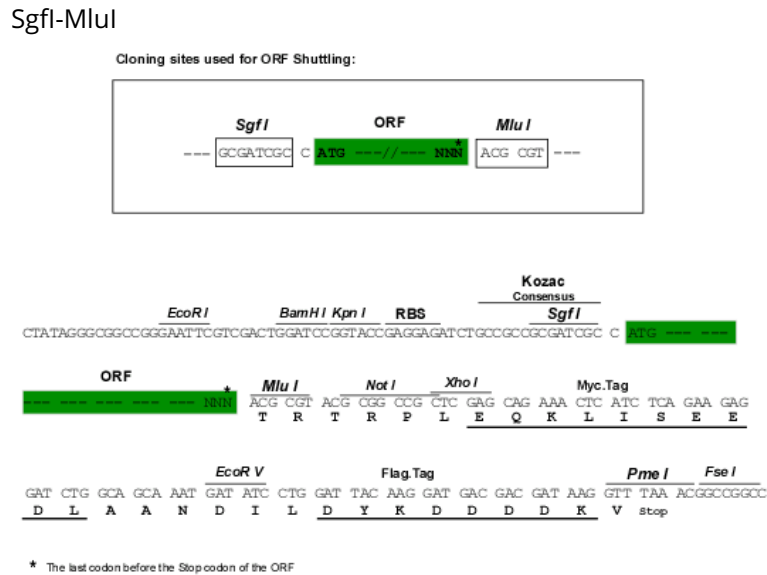
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ACAAGGATGACGACGATAAGGTTTAA

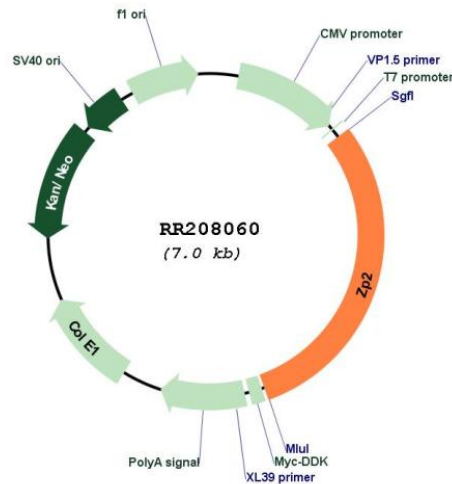
**Protein Sequence:** >RR208060 representing NM\_031150  
Red=Cloning site Green=Tags(s)

MARWQRVYWLRSLFFALVTSVNSLSLPQSENPAFPGLICDKDEVRFVSSRFDMEKWNPSLVDTFGNEI  
 SNCTYALDLEKFIKFPYETCTIKVIGGYQVNIQVDTNADVSYKDDVHFFCPAIQAEIHEVSEIVVCM  
 EDLISFSFPQLFSRLADENQNVSEMGWIKIGNGTRVHTLPLKDAIVQGFNLLIDSQKITLHVPANATGV  
 AHYVQESSYLTVQLKLLFSSPGQKITFSSQAICAPDLVACNVTHMSLTIPFPKGLKSVGFGQRNIPE  
 DQWHANGIDKEATNGLRHLHFRKSLKTKPSEKCPFYQFYFSSLELTFNFQGDMLSTVIDPECHCESPVI  
 DELCTRDFGMDFEVYSHQTKPALNLESLLVGNSSCQPIFKVQSLGLARFHIPLNGCGTRQKFEGDKVIYE  
 NEIHALWENPPSNIIFRNSEFRMTVRCHYIRDSMLLRAHIKSHSSPVASVKPGPLALVLQTPDISYQRP  
 YRKNEYPLVRYLRQPIYMEVTVLNRNDPNIKLVLDDCWATTFEDPASVPQWQIIMDGCEVELDNYRTTFH  
 AANSSAAHSGHYQRFDVKTFAFVSESRGLSLIYFHCSALICNQASPLCSVTCAPLRNKREASKEGTM  
 VSLPGPIILLSDSSSKGVMNPDSEITKDIASKTLGAVAALVGSAVIIGFICYLHKKRIVRFNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**  
**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_031150

**ORF Size:** 2085 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.

**RefSeq:** [NM\\_031150.1](#), [NP\\_112412.1](#)

**RefSeq Size:** 2138 bp

RefSeq ORF: 2088 bp  
Locus ID: 81828  
UniProt ID: [O54767](#)  
Cytogenetics: 1q36  
MW: 78.4 kDa  
Gene Summary: glycoprotein component of the zona pellucida [RGD, Feb 2006]