

## Product datasheet for **RR200920**

### Zp1 (NM\_053509) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zp1 (NM_053509) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200920 representing NM\_053509  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTGGGTTGTTTTGTGGTCTGCTTCTGCTGGTGGCAGCTCCCCTGAGATTGGGTACAGCATCTGC  
 ATCTCAAGCCTGGCTTTCAATACAGCTATGACTGTGGGTACAGGCATGCAGCTGCTGGTGTCCCCAG  
 GCCAAACCAGACTATCCAATTCAAGGTGCTGGATGAATTTGGGAACCGTTTGAGGTGAATAACTGCTCT  
 ATCTGCTACCACTGGGTGATCAGTGAGGCCAGAACCCCGCAGTGTCTCAGCTGATTACAAAGTTGCC  
 ACGTGTGGAGAAGCAGGATGGGCGTTTCCACCTGAGGGTGTTCATAACAAGCTGTACTACCAATGGCCG  
 TGTGGATACAGCACAAGATGTCCTCTGATCTGTCCAAACCAGACCACATCTTGACTCCAGAGTCTAC  
 CTGGCACCACCACACCTCAGCCTTTTATACCTCATACTTTTGCCCTTACCCCATCTCTGGCCACA  
 CCTTGGCTGGGTCTGGCCACACTGGTCTCACTACATTGTACCCAGAGACCCATCCAACCTCCGCTCCACC  
 ATCCTCAGAACCTGGACCTGTTGGACCCACCGTGCCTCAGTCCCAGTGGGGCACCTTGGGGTCTGGGAA  
 TTGACTGAGCTTGATTCTATAGGTACCCATCTGCTCCAGGAGCGGTGTCAGGTAGCTCTGGGCACATCC  
 CCTGCATGGTAAAAGGTAGTTCGAGGAAGCCTGTGAGCAGGCTGGCTGTGCTATGACAATACAAAGA  
 AATGCCCTGTTACTATGGCAACACAGTCACTCTCCAGTGTTCAGAAAGTGGCTACTTTACCTTGGTCATG  
 TCGCAAGAAACAGCCTTGACACACGGGGTCATGCTGGACAATGTCCACCTAGCCTATGCCCCCAACGGAT  
 GCCCCCTACCCAGAAGACAAGTCTTTTGTGGTTTTCCATGTCCCTCTCACCTCTGTGGAACAGCAAT  
 CCAGGTGGTTGGTAAGCAGCTCGTCTATGAGAACCAGCTGGTGTCAACATAGAGGTCCAACCGGGACCG  
 CAGGGTCCATCACTCGGGATGGTGTCTCCGGCTTCAATGTCGCTGTATCTTCAATGCTAGTGATTCC  
 TGCCCATCCGGGCATCTATCTTCTCACCACAACCACCTGCCCTGTGACCCGGTCTGGACCCCTGAGGCT  
 GGAGCTGAGGATTGCCACGGATAAGACTTTCAGCTCCTACTACCAGGGGAGTGACTATCCCTTGTGAGA  
 CTGCTCCAGGAACCAGTTTACATAGAGGTCCGCTCCTGTCAGAGAAGTATCCTGGTCTGGCTCTCATGC  
 TTCATCAGTGTGGGCCACACCCTCTGCCAGCCCTTTGAGCAGCCCAATGGCCATTCTGTGAGATGG  
 GTGTCCTTTCAAGGGTGACAACACAGAACACAATGGTGGTGCAGACAGGGCAACGCTGCCCTTCTGG  
 TCTCACTATCAGCGCTTACCATTGCCACCTTCACTCTCCTTACTCCAGCTCCAGATGCCCTTCCGG  
 GACAGGTCTATTTCTTGTAGTGCCTGCTGCCACCCTGTGGGGTCCGAGACGTGCTCTACCACATG  
 TGATTCTGAGATAGCAAGGCATCGACGATCCTCTGGTACCACAATAGCACTATCCGGGCCCTGGACATT  
 GTGAGCTCTCAGGAGCAGTGGGCTTTGAGGATGCTCCTAACTGGAGCCTTCAAGTTCCACCAGGAACT  
 CCGGTTCAAGACCCTTACTCTGGGTGCTCAACTGCTGGCCCTCACCTAGTCTGGGGGATGGTGTCTT  
 GGTGGTCTGAGCTGGGCTGGGCTGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200920 representing NM\_053509  
 Red=Cloning site Green=Tags(s)

MAWGCFVVL LLLVAAPLRLGQHLHLKPGFQYSYDCGVQGMQLLVFPRPNQTIQFKVLDEFGNRFVNNCS  
 ICYHWVISEAQKPAVFSADYKGVLEKQDGRFHLRVFIQAVLPNGRVDTAQDVTLICPKPDHILTPESY  
 LAPPTTPQPFIPHTFALHPI SGHTLAGSHTGLTTLYPEHTPTAPPSSPEPGVPVGPVPSQWGLGSWE  
 LTELDSIGTHLLQERCQV ASGHIPCMVKSSEACQQAGCCYDNTKEMPCYYGNTVTLQCFRSGYFTLVM  
 SQETAL THGVMLDNVHLAYPNGPCPTQKTSFVVFHVPLTLCGTAIQVVGKQLVYENQLVSNIEVQTGP  
 QGSITRDGVFRLHVRCIFNASDFLPIRASIFSPQPPAVTRSGPLRLELRIATDKTFSSYYQGS DYPLVR  
 LLQEPVYIEVRLLRQTDPLALMLHQWATPSASPFEQPQWPIILSDGCPFKGDNYRTQMVAADRATLPFW  
 SHYQRFIATFTLLDSSSQNALRGQVYFFCSASACHPVGSETCSTTCDSEIARHRRSSGHHNSTIRALDI  
 VSSPGAVGFEDAPKLEPSGSTRNSGSRPLLWVLQLLALTLVLGDGVLVGLSWAWAWA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul



<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_053509.1</a> , <a href="#">NP_445961.1</a>
<b>RefSeq Size:</b>	1947 bp
<b>RefSeq ORF:</b>	1854 bp
<b>Locus ID:</b>	85271
<b>UniProt ID:</b>	<a href="#">O54766</a>
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	67.9 kDa
<b>Gene Summary:</b>	glycoprotein component of the zona pellucida [RGD, Feb 2006]