

## Product datasheet for **RR209745**

### Zfp37 (NM\_058209) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp37 (NM_058209) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp37
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209745 representing NM\_058209  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGCCTCTGACTCCAACAAGGACCTGACAAAGCCAGAGCGGTGGCCGGAGGAGTACGGACAAG  
 CCAGGCGTCCGAAGGAGATGGCTACACCCGAGCCTGCAGAGAGCGATGCGAAGGAATGGGAGCAGCTGGA  
 ACCTGGGCAGAGAAACGTGTACAAGGATACAAAGCTAGAGACCTGCAGCAATCCAGCCTCGATGGAAAT  
 CAAGATCCCAAACAAGGCCTAGTCTCTAAGTTGGATGGAGAAGAAGAGCGGTGGTCTTCAGTGAGGGCAA  
 ATAAGAACAGCTCAAGTAGTCTGCACAGACTCAAGAAAACAGGAACAGTGCAAAGGTCCAACAAGATGG  
 TGCACAGACGGAGGGGAAGCAGAAATCCAAAGGAAACTCACTTCAGAAGTGACATTAGGAAGAAAAGT  
 TCAAACAGTAAGAAAAGCAGTGAGTGACATTGTTGGAGAAGAAAATGCCATTCAAACATGATCCTT  
 CTGAAAAAAGATTGCATAAATCCAATTTGTATGGGAAGAACTTGAATCAGAATTTAGACTTACCCAGTCA  
 GATTAATCTCTGCGAAAAAGAAACCCGATACAGCTAATGAATATAGGAAATCACTCAGCCATTCTGCA  
 TCCGATGTGAACAGAGATGAAATTTCAACTAGAAAGAAAATGTGACAAGTACCCAACAATAAATGTTTG  
 GTAAAGGTGACAAAAACCAAACAGGCAAGAAAATGTGAGAAAGTATGCCGTCATAGCGCATCCCATACCAA  
 GGAAGACAAAATTCATACCGGGGAGAAACGAAATCACCTGCCGTAGTCCATCTAAATCTGACAAGGCT  
 CCAGGCTCTGGGAAACCTTATGAATGTAATCAATGTGGGAAGGTCCTCAGCCATAAACAGGGGCTCCTTG  
 ACCATCAAAGAACTCATACCGGGGAGAAACCATATGAATGTAACGAATGCCGGTAGCTTTCAGCCAAAA  
 GTCCCACCTTGTCTACATCAGAGAACTCACACTGGGGAAAAGCCATACGAGTGTGTCCAGTGTGGCAA  
 GCCCAGGTCACAACATGCCCTCACTGACCACCTGAGAATCCATACCGGAGAAAAGCCCTACAAATGTA  
 ATGAATGTGGCAAAACCTTTAGGCACAGCTCAAACCTTATGCAACACATAAGATCTCACACGGGCGAGAA  
 GCCGTACGAGTGAAGGAGTGTGGCAAACTCCTCAGATATAATTCATCTCTCACCGAACATGTGAGAACA  
 CACACAGGCGAAATACCCTATGAATGTAATGAATGTGGCAAGCTTTTAAAGTATGGCTCATCCCTGACTA  
 AACACATGCGAATTCATACAGGCGAGAAGCCTTTGAATGTAAGTGTGAGTGTGGGAAGACTTTTAGCAAAA  
 GTCACACCTAGTTATACATCAGAGAACTCACACGAAGGAGAAACCTTATAAATGTAAGGAGTGTGGCAA  
 GCCTTTGGACATAGTCTCTTACCTACCATCTGAGAACTCACACCGGGGATTGCCCTTTGAATGTA  
 ATCAATGTGGCAAGGCCTTCAAGCAAATGAGGGCCTTACTCAACACCAGAGAGTTCATACAGGAGAGAA  
 ACCCTATGAGTGTGCGAATGTGGAAAAGCCTTCACTCAGAAGTACACCTCATTGTACATCAGAGAACT  
 CATACAGGGGAGAACCCCTTTGAATGTTATGAGTGTGGAAAAGCCTTCAATGCAAAATCACAACCTTGTTA  
 TTCATCAGAGATCCACACTGGAGAGAAACCTATGAGTGTGTTGAATGTGGTAAAGCCTTCAAACAAAA  
 TGCTTCTCTTACCAGACATATGAAGATTCACTCGGAAGAACAATCTCAGGAGGAAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209745 representing NM\_058209  
 Red=Cloning site Green=Tags(s)

MSASDSNKDLTKPEAVGRRSTDKARRPKEMATPEPAESDAKEWEQLEPGQRNVYKDKLETCNSPASMGN  
 QDPKQGLVSKLDGEEERWSSVRANKNSSSLHRLKKTGTSKAVQQDGAQTEGKQKFORKLTSEVTFRKKS  
 SNSKKSSECTLLEKKNVHSHKHPSEKRLHKSPLYGKLNQNLDLPSQIKISAKKKPDTANEYRKSLSHSA  
 SDVNRDEISTRKKCDKSPNNKLFKGGDKNQTGKKEKVCRRHSASHTKEDIHTGEKRKSPCRSPKSDKA  
 PGSGKPYECNQCGKVLSHKQGLLDHQRTHTEKPYECNECGIAFSQKSHLVVHQRTHTEKPYECVQCGK  
 AHGHKHALTDHLRIHTGEKPYKNECGKTFRHSSNLMQHIRSHTGEKPYECKEKGKSFYRNSSLTEHVRT  
 HTGEIPYECNECGKAFKYGSSLTKHMRHTGEKPFECTCGKTFSKKSHLVIHQRTHTKEKPYKCKEKGK  
 AFGHSSSLTYHLRTHTGDCPFECNQCGKAFKQIEGLTQHQRVHTGEKPYECVECGKAFSQKSHLIVHQR  
 HTGEKPFECYECGKAFNAKSQLVIHQRSHTGEKPYECVECGKAFKQNASLTRHMKIHSEEQSQEED

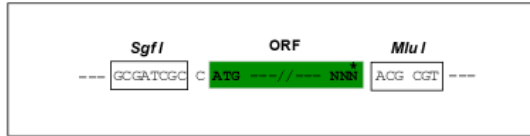
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

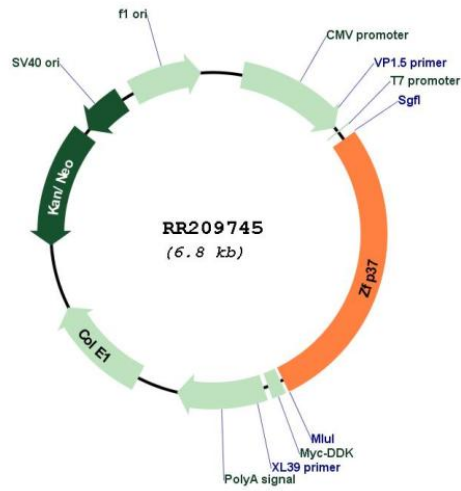
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_058209

ORF Size: 1878 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_058209.2</a> , <a href="#">NP_478116.2</a>
<b>RefSeq Size:</b>	3369 bp
<b>RefSeq ORF:</b>	1881 bp
<b>Locus ID:</b>	115768
<b>Cytogenetics:</b>	5q24
<b>MW:</b>	70.9 kDa
<b>Gene Summary:</b>	mouse homolog is a transcriptional regulator that may be involved in neural development [RGD, Feb 2006]