

## Product datasheet for MC209666

### Zfp57 (NM\_001168502) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp57 (NM_001168502) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp57
Synonyms:	G19; Zfp-57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209666 representing NM_001168502 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGCAGCTAGGAAACAGCCATCCAGGACACCACTCAGTTATGAGGACGTGGCAGTGTCTTTCACCCAGG  
 AAGAATGGGAATATCTTACTTCTACACAGAAGACCCTTTACCAGAAAGTGATGTCAGAAACCTTCAAGAA  
 CCTGACATTTGTCGGAAGCAAGAAGAAACCTCAAGAACCTAGCTCAGATCTGCAAGATAAGAACGAGGAG  
 CAGGAGAAGTCTCCAGTTGCACAGGGGTATTCAAAGGTGGACCATTCTTTTCTGTCTGACCTGTGGCA  
 AATGTTTCAAAAAGAACCTTCTCTTAATCACCAGTTTCTGTGAGGTCCCGGAGGCTGGCAGTCAC  
 AAATCCACAAAGCCGCAAGGCAAGGGCTACAAGGCTCAGCATCGTGGAGAGAGGCCTTTCTTTTGTAAAT  
 TTCTGTGGCAAGACTTACCGTGATGCTTCTGGACTGAGCCGTACCGACGTGCTCATTTAGGTTATAGGC  
 CCCGTTATGCCCCTGAGTGTGGAAGTGTTCGGGATCAGTCTGAGGTCAACCGTCACCTGAAGGTACA  
 CCAAAACAAGCCAGCAGCTAGCAACCAGGCTGGCAACCAGGCTAGCAACCAGAGGCTGAAGAGTAGGGTT  
 CCACCTACAACACCTAGATCCCAAGCGCCCGCCCTCAAGTATGTGAAAGTGATCCAGGGACCACTGGCCA  
 GGGCTAAGGCACGGAACAGCGGAGCCTCGACCTGAATGTCAGATCCAACCTCTATTACAGTGGTCCGTTT  
 AAGAGAAAAGATCTCTTGTCCTATTGTACATAACGTTTACCATGAGAACCTGTCTCTTAACCCACCTC  
 AAGATCCACTTCAGACGTCAACCAACCAGCACTTCTGCTGCAAAGAGTCGGCCCACTCATCCAACACAC  
 TCAGAATGCAAAAAGATCTACACTTGCCCCGTCTGTGACAGCTCCTTTAGGGGAAAAGGAGAGCCTGCTGGA  
 TCACTTGTGCTGCCAAAGACCAATCAGATTCAAGTAAATGCTGGGAAATCTGGGTCAATTTGCTCGGCTAT  
 CTTTCATGAACCCGTGGTGTGGGAAATATTTTTAAAGTAAAGGACTCCTCGGAAAGAGGATGGAATCCA  
 GGAGGAGAAGACGGAACGTGCCTGCACTGAGAATCCTGAAACAGAAGGCCTGTCTGGGAAAGGTAGGGT  
 GGCTCCGTGGGAAATGGAGGTGCCACCAGCCCTGAGAGTCTGTGACAGAAGAAGATTCGGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001168502
<b>Insert Size:</b>	1257 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>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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001168502.1</u> , <u>NP_001161974.1</u>
<b>RefSeq Size:</b>	2088 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	22715
<b>UniProt ID:</b>	<u>Q8C6P8</u>
<b>Cytogenetics:</b>	17
<b>Gene Summary:</b>	<p>Transcription regulator required to maintain maternal and paternal gene imprinting, a process by which gene expression is restricted in a parent of origin-specific manner by epigenetic modification of genomic DNA and chromatin, including DNA methylation. Acts by controlling DNA methylation during the earliest multicellular stages of development at multiple imprinting control regions. Required for the establishment of maternal methylation imprints at SNRPN locus. Acts as a transcriptional repressor in Schwann cells. Binds to a 5'-TGCCGC-3' consensus sequence and recognizes the methylated CpG within this element. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs at the 5' end and uses an alternate, in-frame acceptor splice site at one of the coding exons compared to variant 1. This results in a shorter isoform (2) missing three internal aa compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>