

Product datasheet for **MC209665**

Zfp57 (NM_001168501) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp57 (NM_001168501) 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)



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Fully Sequenced ORF: >MC209665 representing NM_001168501
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTAGGAAACAGTCTTCCAGCCATCCAGGACACCAGTCAGTTATGAGGACGTGGCAGTGTCTT
 TCACCCAGGAAGAATGGGAATATCTTACTTCTACACAGAAGACCCTTTACCAGAAAGTGATGTCAGAAAC
 CTTCAAGAACCTGACATTTGTCGGAAGCAAGAAGAAACCTCAAGAACCTAGCTCAGATCTGCAAGATAAG
 AACGAGGAGCAGGAGAAGTCTCCAGTTGCACAGGGGATTCAAAGGTGGACCATTCTTTTTCTGTCTGA
 CCTGTGGCAAATGTTTCAAAAAGAACACCTTCTCTTAAATCACCAGTTTCTGTGAGGTCCCGGAGGCT
 GGCAGTCACAAATCCACAAAGCCGCAAAGGCAAGGGCTACAAGGCTCAGCATCGTGGAGAGAGGCCTTTC
 TTTTGTAAATTTCTGTGGCAAGACTTACCGTGATGCTTCTGGACTGAGCCGTCACCGACGTGCTCATTAG
 GTTATAGGCCCCGTTTCATGCCCTGAGTGTGAAAGTGTTCCGGGATCAGTCTGAGGTCAACCGTCACT
 GAAGGTACACAAAACAAGCCAGCAGCTAGCAACCAGGCTGGCAACCAGGCTAGCAACCAGAGGCTGAAG
 AGTAGGGTCCACCTACAACACCTAGATCCAAGCGCCCGCCCTCAAGTATGTGAAAGTGATCCAGGGAC
 CAGTGGCCAGGGCTAAGGCACGGAACAGCGGAGCCTCGACCCGAATGTCAGATCCAACCTATTACAGT
 GGTCCGTTCAAGAGAAAAGATCTCTTGTCCCTATTGTACATAACGTTTACCATGAGAACCTGTCTCTTA
 ACCCACCTCAAGATCCACTTCAGACGTCAACCCAAACCAGCACTTCTGCTGCAAAGAGTCGGCCCACTCAT
 CCAACACACTCAGAAATGCAAAAGATCTACACTTGGCCCGTCTGTGACAGCTCCTTTAGGGGAAAGGAGAG
 CCTGCTGGATCACTTGTGCTGCCAAAGACCAATCAGATTCAGTAAATGCTGGGAAATCCTGGGTCATTTG
 CTCGGCTATCTTCATGAACCCGTTGCTGGGAAATATTTTTAAAGTAAGGGACTCCTCGGAAAAGAGGA
 TGAATCCAGGAGGAGAAGACGGAACGTGCCTGCACTGAGAATCCTGAAACAGAAGGCCGTCTGGGAA
 AGGTAGGGTGGCTCCGTGGGAAATGGAGGGTGCCACCAGCCCTGAGAGTCTGTGACAGAAGAAGATTCC
 GACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001168501

Insert Size: 1266 bp

OTI Disclaimer: 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).

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_001168501.1, NP_001161973.1

RefSeq Size: 1712 bp

RefSeq ORF: 1266 bp

Locus ID: 22715

UniProt ID: [Q8C6P8](#)

Cytogenetics: 17

Gene Summary: 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]

Transcript Variant: This variant (2) differs at the 5' end compared to variant 1. Variants 1 and 2 encode the same 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.