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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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209666 representing NM_001168502 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGCTAGGAAACAGCCATCCAGGACACCAGTCAGTTATGAGGACGTGGCAGTGTCTTTCACCCAGG AAGAATGGGAATATCTTACTTCTACACAGAAGACCCTTTACCAGAAAGTGATGTCAGAAACCTTCAAGAA CCTGACATTTGTCGGAAGCAAGAAGAAACCTCAAGAACCTAGCTCAGATCTGCAAGATAAGAACGAGGAG CAGGAGAAGTCCTCCAGTTGCACAGGGGTATTCAAAGGTGGACCATTCTTTTTCTGTCTGACCTGTGGCA AATGTTTCAAAAAGAACACCTTCCTCTTTAATCACCAGTTTCCTGTGAGGTCCCGGAGGCTGGCAGTCAC AAATCCACAAAGCCGCAAAGGCAAGGGCTACAAGGCTCAGCATCGTGGAGAGAGGCCTTTCTTTTGTAAT TTCTGTGGCAAGACTTACCGTGATGCTTCTGGACTGAGCCGTCACCGACGTGCTCATTTAGGTTATAGGC CCCGTTCATGCCCTGAGTGTGGAAAGTGTTTCCGGGATCAGTCTGAGGTCAACCGTCACCTGAAGGTACA CCAAAACAAGCCAGCAGCTAGCAACCAGGCTGGCAACCAGGCTAGCAACCAGAGGCTGAAGAGTAGGGTT CCACCTACAACACCTAGATCCCAAGCGCCCGCCCTCAAGTATGTGAAAGTGATCCAGGGACCAGTGGCCA GGGCTAAGGCACGGAACAGCGGAGCCTCGACCCTGAATGTCAGATCCAACTCTATTACAGTGGTCCGTTC AAGAGAAAAGATCTCTTGTCCCTATTGTCACATAACGTTTACCATGAGAACCTGTCTCTTAACCCACCTC AAGATCCACTTCAGACGTCAACCCAACCAGCACTTCTGCTGCAAAGAGTCGGCCCACTCATCCAACACAC TCAGAATGCAAAAGATCTACACTTGCCCCGTCTGTGACAGCTCCTTTAGGGGAAAGGAGAGCCTGCTGGA TCACTTGTGCTGCCAAAGACCAATCAGATTCAGTAAATGCTGGGAAATCCTGGGTCATTTGCTCGGCTAT CTTCATGAACCCGTGGTGCTGGGAAATATTTTTAAAGTAAGGGACTCCTCGGGAAAGAGGATGGAATCCA GGAGGAGAAGACGGAAACGTGCCTGCACTGAGAATCCTGAAACAGAAGGCCTGTCTGGGAAAGGTAGGGT GGCTCCGTGGGAAATGGAGGGTGCCACCAGCCCTGAGAGTCCTGTGACAGAAGAAGATTCGGACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001168502
Insert Size:	1257 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_001168502.1, NP_001161974.1
RefSeq Size:	2088 bp
RefSeq ORF:	1257 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 (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.