

## Product datasheet for **MG210308**

### Zfp219 (NM\_027248) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp219 (NM_027248) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp219
Synonyms:	2010302A17Rik; Znf219
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

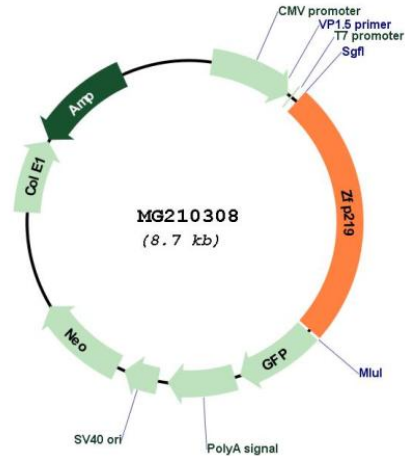
>MG210308 representing NM\_027248  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGTTACGTCCCCGCATCTGGTCCGCCACCTAGAGCCTCCCCACCAGCCTTCGACGGCGAGC  
 TGGATCTGCAGCGCTACTCCAACGGACCAGGTGTCAGCGGGACTCCAGGACCCGGCTCGCTGGGATGGG  
 AGCAGTGGGTTGGTCTGAGACTCGTGCAGGCGAACGGCGTTTTCCCTTGTCTGTGTGCGGAAAGCGCTTC  
 CGATTCAATTCATCTTGGCTTTGCACCTGAGAGCCCACCCGGGCGCCCAAGCCTTCCAGTGCCACATT  
 GCGGCCACCGCGCAGCGCAGCGGGCTCTGCTGCGCTCACACCTCCGAACGCACCAGCCGGAGCGTCCACG  
 CAGCCCTGCTGCACGGCTGTTGCTGGAGTTGGAGGAACCGCCCTGCTTCGCGAAGCCCGACTCGGGAGA  
 GCCAGAAGCTCAGGCGGCATGCAGTCCAGCCCTGCCGAGAGGGCCTGGCTCGCCCTCAGTCCCTTCT  
 CATCTGCCTTCCGTTGCCCTTTCTGAAAGGCAAGTTTCGCACCTCAGCGGAGCGGGAACCCACCTGCA  
 TATCTGCACAGGCCCTGGAAGTGCAGCTTGTGCAGTTTTGGCTCCAGCCAGGAGGAGGAGTTGCTGCAC  
 CACAGTCTGACGGCCACGGGGCTCCGAGCGCCCTGGCGGCTACATCTACGCCCTGAACCCCGCCTC  
 CACCCAGCAAGAACCAGATCTGCCCTTGAGCCTGAGCCTGAGCCTGAACCTAGGCCAGAGCCTGACCG  
 GGAGGCAAACCCTGCCCAACTCCTGCACCTCCGGAGGAGCCCTGCGCCACCTGAATTCGTTGCCAG  
 GTGTGCGGCCAGAGCTTACACAGTCTGGTTTCTCAAGGGTCACATGCGCAAGCACAAGGCCTCCTTTG  
 ATCATGCGTGCCCTGTATGTGGTGCCTGTTCAAGGAGCCTGGTTCTTAAGAACCACATGAAGGTGCA  
 CACCAGCAAGCTGGGTCCTTGGCTGCTCAGGCCCTGGCTCTGCACCTGCCAGGGCCCTCAGCCTCCC  
 GACCTGAGCCTACTGGCATAATGAGCCACTGGGCCCTGACTCCTCCTGGCCAGCACCCGCTCCGGCTG  
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 GGGTGTGACCCTGGAGGTGGCGAAGCTATGGAGGGTTCCGCCACTGCCTTCAGCTTTCCTCAACCCG  
 GCTCGGGACACCGTACAGAGGAACCAGAAGAGGAAGAAGTGGTGGAGGCTGAAGAGGAGAGCTGGG  
 CCCGAGGCAGGTCGCTGGGCTCTCTGACTTCCCTGCACCCCAACCAGGTGAGGGGTGAGGACAGCCTGC  
 ACCTGCTGCGGGACCCAGGCGAGATCCACGGCCACCAAGAAGAAAACGGGCTGCTGGTTGGAGGGACA  
 CGATCTGAAGCGGGCCGTGGGGCCACTGGCAAGGACTGCCCTTCTGTGGAAAATCTTCCGCTCGGCGC  
 ATCACTTAAAAGTGCATCTCCGTGTGCACACAGGTGAGCGTCCCTACAAGTGTCCACACTGCGACTATGC  
 AGGTACCCAGTCGGGCTCGCTCAAGTATACCTTCAGCGTCACCACCGAGAGCAGAGGAGCAGTGGGGT  
 CCTGGGCTCCCCAGAACCCCGCCACCTTCCAGCGGGGCTACTGCAGCCGAGTCAGGAGCCAAGC  
 CAACTCAGGCCTCAGCCACTGGGTAGAGGGCACTGCAAGTACCCGGCCTCCTTCGAGCAGCACCGGACC  
 AGGGTCCCGTAGGAAGCCTGCTAGCCCTGGGAGGACCCTGCGAAAACGGGCGAGGTGGTGAAGCCGAACC  
 CTGGACCTGTCCCTACGGGCGGGCCCGGGAGGTGAGGCCGGGCGAGGGGTGCCCTTACCAGCTGCCTCT  
 TCTGTCCCTTTGCCACTGGAGCTCCTGAGCTCATGGCCTTGCACTGCAAGTACATCATAGCCGTCGTGC  
 TCGGGGCCCGGCGAGCCCCGAGCCGACACGTCTCAACCTATGTCCGGGCACCATCAGGAGAGACCCCT  
 CCCAGTCTCCACTAGAAGAGGAGGGCAGCCCAGGGCTGTCTAGATCCGGAGAGGCAGGTCTTGGGGGGC  
 AAGAACGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Plasmid Map:**


**ACCN:** NM\_027248

**ORF Size:** 2178 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_027248.1](#), [NP\\_081524.1](#)

**RefSeq Size:** 2938 bp

**RefSeq ORF:** 2181 bp

**Locus ID:** 69890

UniProt ID: [Q6IQX8](#)

Cytogenetics: 14 C2

Gene Summary: Transcriptional regulator (PubMed:20940257). Recognizes and binds 2 copies of the core DNA sequence motif 5'-GGGGG-3' (PubMed:20940257). Binds to the HMGN1 promoter and may repress HMGN1 expression (By similarity). Regulates SNCA expression in primary cortical neurons (By similarity). Binds to the COL2A1 promoter and activates COL2A1 expression, as part of a complex with SOX9 (PubMed:20940257). Plays a role in chondrocyte differentiation (PubMed:20940257).[UniProtKB/Swiss-Prot Function]