

Product datasheet for **MC228783**

Zfp219 (NM_001253694) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp219 (NM_001253694) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp219
Synonyms:	2010302A17Rik; Znf219
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228783 representing NM_001253694
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGCTCAGTCCCGCATCTGGTGGCCACCTAGAGCCTCCCCACCAGCCTTCGACGGCGAGC
 TGGATCTGCAGCGCTACTCCAACGGACCAGGTGTCAAGTGGGACTCCAGGACCCGGCTCGCTGGGATGGG
 AGCAGTGGGTTGGTCTGAGACTCGTGCAGGCGAACGGCGCTTCCCTTGTCTGTGTGCGAAAGCGCTTC
 CGATTCAATTCCATCTTGGCTTTGCACCTGAGAGCCACCCGGGCGCCAAAGCCTTCCAGTGCCACATT
 GCGGCCACCGCGCAGCGCAGCGGGCTCTGCTGCGCTCACACCTCCGAACGCACCAGCCGGAGCGTCCACG
 CAGCCCTGCTGCACGGCTGTTGCTGGAGTTGGAGGAACGCGCCCTGCTTCGGAAGCCCGACTCGGGAGA
 GCCAGAAGCTCAGGCGGCATGCAGTCCAGCCCTGCCGAGAGGGCCTGGCTCGCCCTCAGTCCCTTCT
 CATCTGCCTTCCGTTGCCCTTTCTGAAAGGCAAGTTTCGCACCTCAGCGGAGCGGGAACCCACCTGCA
 TATCTGCACAGGCCCTGGAAGTGCAGCTTGTGCAGTTTTGGCTCCAGCCAGGAGGAGGAGTTGCTGCAC
 CACAGTCTGACGGCCACGGGGCTTCCGAGCGCCCTGGCGGCTACATCTACGCCCTGAACCCCGCCTC
 CACCCAGCAAGAACCAGATCTGCCCTTGAGCCTGAGCCTGAGCCTGAACCTAGGCCAGAGCCTGACCG
 GGAGGCAAACCCTGCCCAACTCCTGCACCTCCGGAGGAGCCCTGCGCCACCTGAATTCGTTGCCAG
 GTGTGCGGCCAGAGCTTACACAGTCTGGTTTCTCAAGGGTACATGCGCAAGCACAAGGCCTCCTTTG
 ATCATGCGTGCCCGTATGTGGTGCCTGCTCAAGGAGCCTGGTTCTTAAGAACCACATGAAGGTGCA
 CACCAGCAAGTGGGTCCTTTCGCTGCTCCAGGCCCTGGCTCTGCACCTGCCAGGGCCCTCAGCCTCCC
 GACCTGAGCCTACTGGCATAAGCCACTGGGCCCTGCACTCCTCTGGCCAGCAGCCGCTCCGGTGA
 AGCGCCGAGAGCCCCAAGCCTTTAGGCTACCTGAGTGTACGAGCTGGGGAAGTACGACCAATGGTGA
 GGGTGTGACCCTGGAGGTGGCCGAAGCTATGGAGGGTTCCGCCACTGCCTTCAGCTTTCCCAACCGG
 GCTCGGGACACCGTACAGAGGAACAGAGGAAGAAGTGGTGGAGGCTGAAGAGGAGAGCTGGG
 CCCGAGGCAGGTCGCTGGGCTCTGACTTCCCTGCACCCCAACCCAGGTGAGGGGTGAGGACAGCCTGC
 ACCTGCCGCGGGACCCAGGCGAGATCCAGGCCACCAAGAAGAAAACGGGCTGCTGGTTGGAGGGACA
 CGATCTGAAGCGGGCCGTGGGGCCACTGGCAAGGACTGCCCTTCTGTGAAAATCTTCCGCTCGGCGC
 ATCACTTAAAAGTGCATCTCCGTGTGCACACAGGTGAGCGTCCCTACAAGTGTCCACACTGCGACTATGC
 AGGTACCCAGTCGGGCTCGTCAAGTATCACCTTCAGCGTACCACCGAGAGCAGAGGAGCAGTGGGGT
 CCTGGGCTCCCCAGAACCCCGCCACCTTCCAGCGGGGCTCACTGCAGCCGAGTCAAGAGCCAAGC
 CAACTCAGGCCTCAGCCACTGGGTAGAGGGCACTGCAAGTACCCGGCCTCCTTCGAGCAGCACCAGGACC
 AGGGTCCCGTAGGAAGCCTGCTAGCCCTGGGAGGACCCTGCGAAAACGGGCGAGGTGGTGAAGCCGAACCC
 CTGGACCTGTCCCTACGGGCGGGCCCGGGAGGTGAGGCCGGGGCAGGGGGTGCCTTCCACCGCTGCCTCT
 TCTGCCCTTTGCCACTGGAGCTCCTGAGCTCATGGCCTTGCACTGCAAGTACACCATAGCCGTCGTGC
 TCGGGGCCCGGCGAGCCCGAGCCGACACGTCTCAACCTATGTCCGGGCACCATCAGGAGAGACCCCT
 CCCAGTCTCCACTAGAAGAGGAGGGCAGCCAGGGCTGTCTAGATCCGGAGAGGCAGGTCTTGGGGGGC
 AAGAACGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253694

Insert Size: 2181 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001253694.1</u> , <u>NP_001240623.1</u>
RefSeq Size:	3042 bp
RefSeq ORF:	2181 bp
Locus ID:	69890
UniProt ID:	<u>Q6IQX8</u>
Cytogenetics:	14 C2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>