

Product datasheet for **MR230871**

Zfp219 (NM_001253696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp219 (NM_001253696) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp219
Synonyms:	2010302A17Rik; Znf219
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230871 representing NM_001253696
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGCAGTGGGTTGGTCTGAGACTCGTGCAGGCGAACGGCGCTTCCCTTGCTGTGTGCGAAAGC
 GCTTCCGATTCAATTCCATCTTGCTTTGCACCTGAGAGCCACCCGGGGCCCAAGCCTTCCAGTGCCC
 ACATTGCGGCCACCGCGCAGCGCAGCGGGCTCTGCTGCGCTCACACCTCCGAACGCACCAGCCGGAGCGT
 CCACGCAGCCCTGCTGCACGGCTGTTGCTGGAGTTGGAGGAACGCGCCCTGCTTCGGAAGCCCGACTCG
 GGAGAGCCAGAAGCTCAGGCGGCATGCAGTCCAGCCCTGCCGAGAGGGCCTGGCTCGCCCTCAGGTCCC
 TTCCTCATCTGCCTTCCGTTGCCCTTTCTGCAAAGGCAAGTTTCGCACCTCAGCGGAGCGGGAACGCCAC
 CTGCATATCTGCACAGGCCCTGGAAGTGCAGCTTGTGCAGTTTTGGCTCCAGCCAGGAGGAGTTGC
 TGCACCACAGTCTGACGGCCACGGGGCTCCGAGCGCCCTGGCGGCTACATCTACGCCCTGAACCC
 GCCTCCACCCAGCAAGAACCAGATCTGCCCTTGAGCCTGAGCCTGAGCCTGAACCTAGCCAGAGCCT
 GACCGGGAGGCAAACCTGCCCAACTCCTGCACCTCCGAGGAGCCCTCGCCACCTGAATTCGGT
 GCCAGGTGTGCGCCAGAGCTTTACACAGTCTGGTTTCTCAAGGTCACATGCGCAAGCACAAGGCCCTC
 CTTTGATCATGCGTGCCCGTATGTGGTCGCTGCTTCAAGGAGCCCTGGTTCCTTAAAGAACACATGAAG
 GTGCACACCAGCAAGCTGGGTCCTTTCGCTGCTCCAGGCCCTGGCTGTCACCTGCCAGGGCCCTCAGC
 CTCCCAGCTGAGCCTACTGGCATATGAGCCACTGGGCCCTGCACTCCTCTGGCCCAGCACCCGCTCC
 GGCTGAGCGCCGAGAGCCCCAAGCCTCTTAGGCTACCTGAGTGTACGAGCTGGGGAAGTACGACCCAAT
 GGTGAGGTGCTGACCTGGAGTGGCCGAAGCTATGGAGGTTCCGCCCACTGCCTTCAGCTCTCCCA
 ACCGGGCTCGGCGACACCGTACAGAGGAACCAGAAGAGGAAGAAGTGGTGGAGGCTGAAGAGGAGAG
 CTGGGCCCGAGGCAGGTGCTGGGCTCTGACTTCCCTGCACCCCAACCAGGTGAGGGTTCAGGACAG
 CCTGCACCTGCCGCGGGACCCAGGCGAGATCCAGGCCACCAAGAAGAAAACGGGCTGCTGGTTGGAG
 GGACACGATCTGAAGCGGGCCGTGGGGCCACTGGCAAGGACTGCCCTTCTGTGAAAAATCTTCCGCTC
 GGCGCATCACTTAAAAGTGCATCTCCGTGTGCACACAGGTGAGCGTCCCTACAAGTGTCCACACTGCGAC
 TATGCAGGTACCCAGTCGGGCTCGCTCAAGTATCACCTTCAGCGTACCACCGAGAGCAGAGGAGCAGTG
 CGGTCCTGGGCTCCCCAGAACCCCGCCACCTTCCCAGCGGGGCTCACTGCAGCCGAGTCAAGGAGC
 CAAGCCAACTCAGGCCTCAGCCACCTGGGTAGAGGGCACTGCAAGTACCCGGCCTCCTTCGAGCAGCACC
 GGACCAGGTCCCGTAGGAAGCCTGCTAGCCCTGGGAGGACCCTGCGAAACGGGCGAGGTGGTGAAGCCG
 AACCCCTGGACCTGTCCCTACGGGCGGGCCCGGAGGTGAGGCCGGGCGAGGGGTGCCCTTACCAGCTG
 CCTCTTCTGCCCTTTGCCACTGGAGCTCCTGAGCTCATGGCCTTGCATCTGCAAGTACACCATAGCCGT
 CGTGCTCGGGGCCCGCGCAGCCCCGAGCCGACAGTCTCCAACCTATGTCCGGGACCATCAGGAGAGA
 CCCCTCCAGTCTCCACTAGAAGAGGAGGGCAGCCAGGGCTGTCTAGATCCGGAGAGGCAGGTCTTGG
 GGGCAAGAACGG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230871 representing NM_001253696
 Red=Cloning site Green=Tags(s)

MGAVGWSETRAGERRFPCPVCGKRFRFNSILALHLRAHPGAQAFQCPHCGHRAAQRALLRSHLRTHQPER
 PRSPAARLLLEERALLREARLGRARSSGGMQSSPAEGLARPQVPSSSAFRCPCFKGKFR TSAERERH
 LHILHRPWKCSLCSFGSSQEEELLHSLTAHGASERPLAATSTPEPPPPQOEPRSALEPEPEPEPRPEP
 DREANPAPTAPPEEPPAPPEFRCQVCGQSFTQSWFLKGHMRKHKASFDHACPVCGRCFKEPWFLKNHMK
 VHTSKLGPLRAPGGSAPARAPQPPDL SLLAYEPLG PALLLAPAPAPAERREPPSLLGYLSVRAGEVRPN
 GEGADPGGGRSYGGFRPLPSALPNRARRHRTEPEEEEEVVEAEESWARGRSLGSLTSLHPNPGE GSGQ
 PAPAAGTQARSTATQEENGLLVGGTRSEAGRGATGKDCPCGKSFSAHHLKVHLRVHTGERPYKCPHCD
 YAGTQSGSLKYHLQRHHREQRSSAGPGPPPEPPPSQGRSLQPQSGAKPTQASATWVEGTRPPSSST
 GPGSRRKPASPGRTLNRNGGAEPLDLSLRAGPGGEAGAGGALHRCLFCPFATGAPELMALHLQVHHSR
 RARGRRQPRADTSPTYVRAPSGETPPSPLEEEGSPGLSRSGEAGLGGQER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

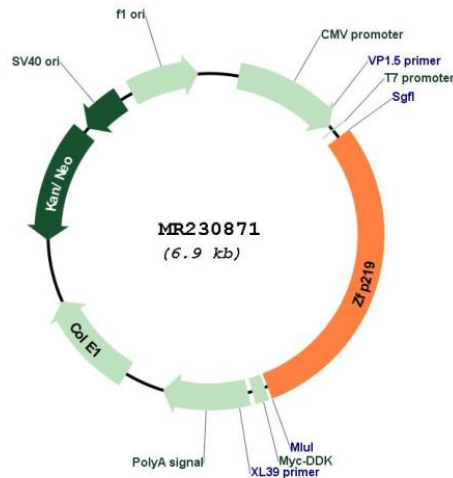
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001253696

ORF Size: 2043 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_001253696.1](#), [NP_001240625.1](#)

RefSeq Size: 2844 bp

RefSeq ORF: 2046 bp

Locus ID: 69890

Cytogenetics: 14 C2

MW: 73.7 kDa

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]