

Product datasheet for **MR230994**

Zfp219 (NM_001253694) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp219 (NM_001253694) 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:

>MR230994 representing NM_001253694
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGGCTCAGTCCCCGCATCTGGTGGCCACCTAGAGCCTCCCCACCAGCCTTCGACGGCGAGC
TGGATCTGCAGCGCTACTCCAACGGACCAGGTGTCAAGTGGGACTCCAGGACCCGGCTCGCTGGGATGGG
AGCAGTGGGTTGGTCTGAGACTCGTGCAGGCGAACGGCGCTTCCCTTGTCTGTGTGCGAAAGCGCTTC
CGATTCAATTCATCTTGGCTTTGCACCTGAGAGCCACCCGGGCGCCAAAGCCTTCCAGTGCCACATT
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CATCTGCCTTCCGTTGCCCTTTCTGAAAGGCAAGTTTCGCACCTCAGCGGAGCGGGAACCCACCTGCA
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CACAGTCTGACGGCCACGGGGCTTCCGAGCGCCCTGGCGGCTACATCTACGCCCTGAACCCCGCCTC
CACCCAGCAAGAACCAGATCTGCCCTTGAGCCTGAGCCTGAGCCTGAACCTAGGCCAGAGCCTGACCG
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AGGCGGAGAGCCCAAGCCTTTAGGCTACCTGAGTGTACGAGCTGGGGAAGTACGACCAATGGTGA
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GCTCGGGACACCGTACAGAGGAACCAGAAGAGGAAGAAGTGGTGGAGGCTGAAGAGGAGAGCTGGG
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CCCAGTCTCCACTAGAAGAGGAGGGCAGCCAGGGCTGTCTAGATCCGGAGAGGCAGGCTTGGGGGGC
AAGAACGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230994 representing NM_001253694
 Red=Cloning site Green=Tags(s)

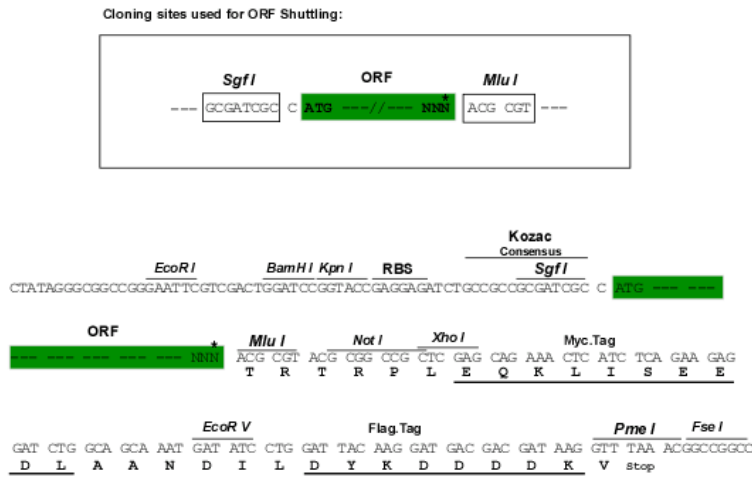
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 ARSSGGMQSSPAAEGLARPQVPSAFAFCFKGKFRSAERERHLHILHRPWKCSLCSFGSSQEEELLH
 HSLTAHGASERLAATSTPEPPPPPPQEPRESALEPEPEPEPRPEPDREANPAPTAPPEEPPAPPEFRCQ
 VCGQSFTQSWFLKGHMRKHKASFHDACPVCGRCFKEPWFLLKNHMKVHTSKLGPLRAPGPGSAPARAPQP
 DLSSLAYEPLGPALLLAPAPAPAERREPPSLLGYLSVRAGEVVRPNGEADPGGGRSYGGFRPLPSALPNR
 ARRHRTTEPEEEEEVVEAEEESWARGRSLGSLTSLHPNPGEGSQPAPAAGTQARSTATQEENGLLVGGT
 RSEAGRATGKDCPFCGKSFRSAHHLKVLHRVHTGERPYKCPHCDYAGTQSGSLKYHLQRHHREQRSSAG
 PGPPPEPPPPSQRGLQPQSGAKPTQASATWVEGTASTRPPSSSTGPGSRRKPASPGRTLNRNGRGEAEP
 LDLSLRAGPGGEAGAGGALHRCLFCPFATGAPELMALHLQVHHSRRARGRRQPRADTSPTYVRAPSGETP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

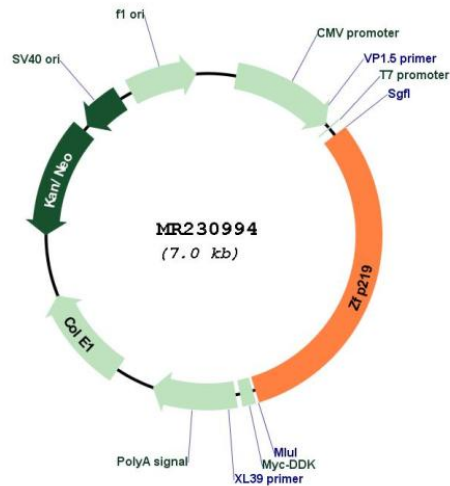
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001253694

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_001253694.1](#), [NP_001240623.1](#)

RefSeq Size: 3042 bp

RefSeq ORF: 2181 bp

Locus ID: 69890

UniProt ID: [Q6IQX8](#)

Cytogenetics: 14 C2

MW: 78.2 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]