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Product datasheet for MC228660

Zfp219 (NM_001253696) Mouse Untagged Clone

Product data:

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

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Fully Sequenced ORF:

>MC228660 representing NM_001253696
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGCAGTGGGTTGGTCTGAGACTCGTGCAGGCGAACGGCGCTTCCCTTGTCCTGTGTGCGGAAAGC
GCTTCCGATTCAATTCCATCTTGGCTTTGCACCTGAGAGCCCACCCGGGCGCCCAAGCCTTCCAGTGCCC
ACATTGCGGCCACCGCGCAGCGCAGCGGGCTCTGCTGCGCTCACACCTCCGAACGCACCAGCCGGAGCGT
CCACGCAGCCCTGCTGCACGGCTGTTGCTGGAGTTGGAGGAACGCGCCCTGCTTCGCGAAGCCCGACTCG
GGAGAGCCAGAAGCTCAGGCGGCATGCAGTCCAGCCCTGCCGCAGAGGGCCTGGCTCGCCCTCAGGTCCC
TTCCTCATCTGCCTTCCGTTGCCCTTTCTGCAAAGGCAAGTTTCGCACCTCAGCGGAGCGGGAACGCCAC
CTGCATATCCTGCACAGGCCCTGGAAGTGCAGCTTGTGCAGTTTTGGCTCCAGCCAGGAGGAGGAGTTGC
TGCACCACAGTCTGACGGCCCACGGGGCTTCCGAGCGCCCCCTGGCGGCTACATCTACGCCTGAACCCCC
GCCTCCACCCCAGCAAGAACCCAGATCTGCCCTTGAGCCTGAGCCTGAGCCTGAACCTAGGCCAGAGCCT
GACCGGGAGGCAAACCCTGCCCCAACTCCTGCACCTCCGGAGGAGCCCCCTGCGCCACCTGAATTCCGTT
GCCAGGTGTGCGGCCAGAGCTTTACACAGTCCTGGTTTCTCAAGGGTCACATGCGCAAGCACAAGGCCTC
CTTTGATCATGCGTGCCCCGTATGTGGTCGCTGCTTCAAGGAGCCCTGGTTCCTTAAGAACCACATGAAG
GTGCACACCAGCAAGCTGGGTCCTTTGCGTGCTCCAGGCCCTGGCTCTGCACCTGCCAGGGCCCCTCAGC
CTCCCGACCTGAGCCTACTGGCATATGAGCCACTGGGCCCTGCACTCCTCCTGGCCCCAGCACCCGCTCC
GGCTGAGCGCCGAGAGCCCCCAAGCCTCTTAGGCTACCTGAGTGTACGAGCTGGGGAAGTACGACCCAAT
GGTGAGGGTGCTGACCCTGGAGGTGGCCGAAGCTATGGAGGGTTCCGCCCACTGCCTTCAGCTCTTCCCA
ACCGGGCTCGGCGACACCGTACAGAGGAACCAGAAGAGGAAGAAGAAGTGGTGGAGGCTGAAGAGGAGAG
CTGGGCCCGAGGCAGGTCGCTGGGCTCTCTGACTTCCCTGCACCCCAACCCAGGTGAGGGGTCAGGACAG
CCTGCACCTGCCGCGGGGACCCAGGCGAGATCCACGGCCACCCAAGAAGAAAACGGGCTGCTGGTTGGAG
GGACACGATCTGAAGCGGGCCGTGGGGCCACTGGCAAGGACTGCCCCTTCTGTGGAAAATCTTTCCGCTC
GGCGCATCACTTAAAAGTGCATCTCCGTGTGCACACAGGTGAGCGTCCCTACAAGTGTCCACACTGCGAC
TATGCAGGTACCCAGTCGGGCTCGCTCAAGTATCACCTTCAGCGTCACCACCGAGAGCAGAGGAGCAGTG
CGGGTCCTGGGCCTCCCCCAGAACCCCCGCCACCTTCCCAGCGGGGCTCACTGCAGCCGCAGTCAGGAGC
CAAGCCAACTCAGGCCTCAGCCACCTGGGTAGAGGGCACTGCAAGTACCCGGCCTCCTTCGAGCAGCACC
GGACCAGGGTCCCGTAGGAAGCCTGCTAGCCCTGGGAGGACCCTGCGAAACGGGCGAGGTGGTGAAGCCG
AACCCCTGGACCTGTCCCTACGGGCGGGCCCGGGAGGTGAGGCCGGGGCAGGGGGTGCCCTTCACCGCTG
CCTCTTCTGCCCCTTTGCCACTGGAGCTCCTGAGCTCATGGCCTTGCATCTGCAAGTACACCATAGCCGT
CGTGCTCGGGGCCGCCGGCAGCCCCGAGCCGACACGTCTCCAACCTATGTCCGGGCACCATCAGGAGAGA
CCCCTCCCAGTCCTCCACTAGAAGAGGAGGGCAGCCCAGGGCTGTCTAGATCCGGAGAGGCAGGTCTTGG
GGGGCAAGAACGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253696

Insert Size: 2046 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.
RefSeq:	NM_001253696.1, NP_001240625.1
RefSeq Size:	2844 bp
RefSeq ORF:	2046 bp
Locus ID:	69890
UniProt ID:	Q4VA98
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] Transcript Variant: This variant (4) lacks an exon, which results in a downstream AUG start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to 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.