

Product datasheet for **MR219628**

Zfp964 (NM_001177527) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp964 (NM_001177527) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp964
Synonyms:	4732490P12; EG636741; Gm7187
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219628 representing NM_001177527, **codon optimized**.
Due to the complexity of NM_001177527, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCTGTATCTTTTCGAGGACGTGGCAGTTCACCTTCACACAGGATGAGTGGGCTCTCCTGGACTCCA
 GCCAGAAGTCTGTACCGAGACGTCATGCTGGAGACATGTCGCTCCCTGGCTACTATCGGCTATAAATG
 GGAGGACCAGAACCTTGAGGACCACTGCATTAATCCAGGTAGGAACCTCCGGAGTTACATGTTTCAGACC
 TTCTGTGAAAACGAGGGCGACGATCAGGGCGGTGAGAACCTGCCTTGGAAGCCCAACCTCTCTATGAATA
 TGCCTGTTCCACTGGCCTGACACCATGGGATCACTCAATGTGGGGAAAAGCCAGTCCAAGCTACTCCAG
 CAGCCGCCACACAACACCTCACTCCCAATGCACCGCCACGAACAAGAAAAATATGTAACCTAAGCAGTAC
 AATAGCGATTCCTCAGGACATTCAGAGATACATGAGGACTCACGTCGTCATGGTCCATGTGAGTGTG
 AGGTCTGTTTGAAGTATTTCCGTTTTCCCGCACTCTCGAGATCCATCAAGAGACTCAGTCCGAAAAACA
 TCCCTACCAATATAAAGAATACGGGAAAACAAGTGTGGATATCAGCAGCCTGTGCACGCACGGGGCGCT
 CAGGCAGTTGGCAAGGGGTACGAGTGTAAACAGTGCAGGAAAAGCTCTGTCTCATACTCTCTCTGAGAC
 GACACGAACGGATACACACTGAAAAGAAGCCATACAAATGTAAGCAGTGGGTAAGGCTTTTCGGTATCA
 TAGTTACCTGCATCTCCACGAGCGGATCCACACAGGTGAAAAGCCCTATGAATGCAAGCGGTGTGGAAAG
 GCTTTTATTTTCCAGGTGCCCTTCAGGTGCATGAGAAAATCCATACTGGCGAGAAGCGCCACGAGTGCA
 AGCACTGTGGCAAGGCATTCCGCGACATAGTGACCTTCAGGTACACGAGAAGATTACATACAGGTAAAA
 ACCTTATGTTTGAAGCAGTGGGGAGGCTTTCCGCCTGAATAGCCACCGACAACGGCAGCAACAGACT
 CATAAGAAAGACAGGCCATTTATTTGCAAACAATGTGGAAGGAGCTTCAATGCTACAGCAACCTGGAGC
 TCCACGAAAAGATCCATACAGGAGATAGGCCTTTGTTTGCAGTGTGGCAAAGCATTGGCTGCTA
 CTCCAATCTTTCAGCTGCACGAGAAGATCCATACCGGTGATAGACCTTTCTGTGCAAAGAGTGGCGAAG
 GCCTTCATCTGTCATGGCCACCTGCAAAGGCACGAGACAACGCATACAGGAGAGAAGCCATATGGCTGTA
 AACAGTGTGGGAAGGCGTCTCTAGAACTCCACCTGCACGACATGAGCGAACGCACCGCCAGATGAG
 TACTTGCCCTAGAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219628 representing NM_001177527
 Red=Cloning site Green=Tags(s)

MASVSFEDVAVHFTQDEWALLDSSQKSLYRDVMLETCRSLATIGYKWEDQNLEDHCINPGRNLRSYMFQT
 FCENEGDDQGGENLPWKPNLSMNMRCTGLTPWDHSMWGKASPSYSSSRHTTPHSQCTAHEQEKYVTKQY
 NSDSLRTFQRYMRTHVNVNGPCEVEVCLKYFGFPGTLEIHQETQSENPNYQYKEYGKTSVDISSLCTHGG
 QAVGKGYECNQCGKALSSYSSLRHERIHTKPKYKCKQCGKAFRYHSYLHLHERIHTGEKPYECKRCGK
 AFIFPGALQVHEKIHTGEKRHECHKGKAFRRHSDLQVHEKIHTGEKPYVCKQCGRAFRLNSHRQRHEQT
 HTEDRPFICKQGRSFECYSNLELHEKIHTGDRPFVCTECGKAFGCYSNLQLHEKIHTGDRPFVCKECKG
 AFICHGHLQRHETHTTGEKPYGCKQCGKAFSRNSHLQRHERTHRQMSCTCPRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001177527

ORF Size: 1416 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_001177527.1](#), [NP_001170998.1](#)

RefSeq Size: 1740 bp

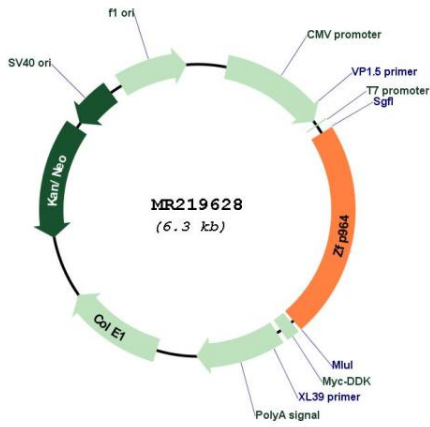
RefSeq ORF: 1419 bp

Locus ID: 636741

Cytogenetics: 8 B3.3

MW: 54.7 kDa

Product images:



Circular map for MR219628