

## Product datasheet for **MR216304**

### Zfp647 (NM\_172817) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp647 (NM_172817) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp647
Synonyms:	6030449J21; Es492; Znf250
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216304 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGCAGCCGGGCTTCTACCGCTGCCAGCAGCACACCAGGCCAAAGTGACCTTTGAGGATGTGGCTG  
 TTCTGCTGTCTCAGGAGAGTGGGCCCGCTGGGCCCTGCTCAGCGGGGCTCTACCGACACGTCATGAT  
 GGAGACCTACGGGAATGTAGTCTCACTGGGACTTCCAGGATCTAAGCCTGTTGTGATCTCCAGCTGGAG  
 CGAGGAGAAGACCCGTGGGTCTGGATGGACAGGGAACCGAGCTGAGCCAGAGCCTGGGAAGTGACCACT  
 CAGAATGCAAAGCCAAGGAAGAGAACAAAACACAGACTTGAATGTGCCACCATTAATCTCAGACGAAGC  
 ATCAGCGACGCTGACGGAACACCGCTGAGGAAGTTGCTGAAGAACGTTACAAAACAGAACCGAAGGTC  
 TGCCCCAGTCAAAGCCATTGGCCCCAGAATGCCACGGGTTGAACCTAGTGTACCCGTTGCCCGAC  
 CCCAGACGGCTCCAGTGTGAGAGACCCTATATCTGCATTGAGTGTGAAAAGTCTTTGGTCGGAGCTC  
 CCATCTCCTTCAGCATCAGCAATACACTGGCGAGAAGCCCTACGTATGCCATGTATCGGAAAAGGCT  
 TTCAGCCAGAGTTCCTGCTGAGCAAGCACAGGCGGATCCACACGGGCGAGAAGCCCTACGAGTGTAAACG  
 AATGTGGGAAAGCCTTTCGCGTGAGTTCGGACCTTGCCAGCACCACAAGATCCACACCGGAGAGAAGCC  
 TCACGAGTGTCTGGAATGTGGGAAGGCTTACCCAGCTCTCCACCTCATCAAACATCAGCGGATCCAC  
 ACGGGGAGCGGCCCTACGTGTGTCCTTGTGTGGAAAGCCTTCAACCACAGCACCGTCTCGCGAGCC  
 ACCAGAGGGTGCACACTGGGGAAGCCTCACGGGTGCAGCGAGTGTGGGAAGACCTTACGCGTGAAGAG  
 GACGCTGCTGCAGCACAGCGGGTGCACACCGGGGAGAAGCCCTACACGTGCAGCGAGTGCGGGAAGGCC  
 TTCAGCGACCGCTCCGTGCTCATCCAACATCACAACGTACACACTGGGGAAGCCGTACGAGTGCAGCG  
 AGTGCAGCAAGACCTTTAGCCACCGCTCCACCCTGATGAATCACGAGAGGATTCACACGAGGAGAAGCC  
 CTACGCGTGTACGAGTGCAGGGAAGCCCTTGTCCAGCACTCGCATCTCATCCAGCATCAGAGAGTCCAC  
 ACGGGAGAGAAACCCTACGTGTGTGGCAGTGTGGCCATGCTTTACGCGCACGCCGCTCCTGATCCAGC  
 ATGAGCGAATCCACACAGGCGAGAAACCCTTTCAGTGCACAGAGTGTGGCAAAGCCTTACGCTGAAAGC  
 AACTCTGATCGTGCACCTGAGGACCCACACGGGCGAGAAACCCTATGAGTGCAATAGCTGCGGCAAGGCC  
 TTCAGCCAGTACTCGGTGCTCATCCAACACCAGAGGATCCACACCGGAGAGAAACCCTATGAGTGTGGCG  
 AGTGCAGCGGGCCTTCAACCAGCACGGCCACCTGATCCAACATCAGAAAGTACACAAGAAGCTG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216304 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAAGLLPLPAAPQAKVTFEDVAVLLSQEEWARLGPQRGLYRHVMETYGNNVSLGLPGSKPVVISQLE  
 RGEDPWVLDGQGTLSQSLGSDHSECKAKEENQNTDLNVPPLISDEASATLTETPLRKVAEERYKTEPKV  
 CPSPKPIGPQNAHGLNPSVPVARPQTAPSVERPYYICIECGKCFGRSSHLLQHQRHHTGKPYVCHVCGKA  
 FSQSSVLSKRRHHTGKPYECNECGKAFRVSSDLAQHHKIHTGKPHCELECGKFTQLSHLIQHQRH  
 TGERPYVCPKAFNHSTVLRSHQRVHTGKPHGCSECGKTFVSKRTHLLQHQRVHTGKPYTCSECGKA  
 FSDRSVLIQHHNVHTGKPYECSECGKTFSHRSTLMNHERIHTQEKPYACYECGKAFVQHSLLIQHQRVH  
 TGEKPYVCGECGHAFSARRSLIQHERIHTGKPFQCTECGKAFSLKATLIVHLRTHHTGKPYECNSCGKA  
 FSQYSVLIQHQRHHTGKPYECGECGRAFNQHGHLIQHQKVHKKL

**SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDK**V

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_172817

**ORF Size:** 1608 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\\_172817.3](#), [NP\\_766405.2](#)

**RefSeq Size:** 2233 bp

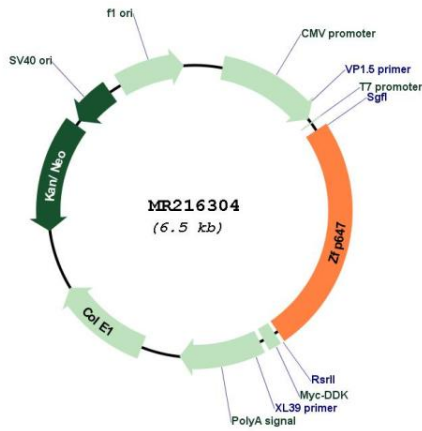
**RefSeq ORF:** 1608 bp

**Locus ID:** 239546

**UniProt ID:** [Q7TNU6](#)

Cytogenetics: 15 D3  
 MW: 59.9 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216304