

## Product datasheet for **RR210948**

### Zfp111 (NM\_133323) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp111 (NM_133323) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp111
Synonyms:	rKr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR210948 representing NM\_133323  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCAAGTTACAGGAGCAGTGACGTTCAAGGACGTGGCCGTGGTCTTCAGTAAGGAGGAGATGGGGC  
 TGCTGGACGCTGCCAGAGGAAGCTGTACCACGATGTGATGCTGGAGAACCCTCAGGAACCCTCTGGCAGT  
 GGGAGGCCAGAGTCCAAATAAGATGAAGACTGTTGATGCAACAGGAGTGAGGTGCCTTTTACTGGGCGAG  
 CTTCTGTACTGGGAAATAACAGGCCACGATGCCAACAACTGGCCAGAGCTCCGGAAGCTGTAGTCCACA  
 CTCAAGGAAAGGGTTCTCACTTCTGGAGCAAGGCCACTCCTCCTGCCACAGGGAAGCAGAGGAGCCTCG  
 CCGGCCTTCTGAGGATGACAGTTCTCTCGACAGTCTGACACGTGACCATTCCAGCACTACTGAAAATCAG  
 GAATTTCTGTCTGGGAGAGCCCAGGGTCTTGGTGTAAAACACATCTTAGGAAAAGACAGAACCATCAGA  
 AACACTGTCTGCAGACTCTGATGAAAAACAAGCCAGAGCTGTTGACTCAGCATTCCCTGTACAAAAGAC  
 ACAGGAGGACAGCAGGCATAGCTCTAGCGTCCCCATTCAACAAAGTGTTTCATCCAGGAAGAAAGCGTAC  
 TGGTGTATGAGTGTGGCAAGGGTTTCAGTCAGAGCTCAGCTCTCCAGACTCACCGGAGAGTGCACACGG  
 GGGAGAAGCCCTGCAGGGACAACAGCTGTAGGAAAAGCTTCAGTCGTAGCTCTGGTCTTAGCATCCACCG  
 CCAAGTACACACTGGAGAGAGACCTTACCGGTGTAAAGTGTGTGGGAAGGGTTTCTTGGCGTGGTACAC  
 CTCCAGGCCACAGAGAGAATTCACACAGGAGAGAAGCCATATAAGTGTGGAGAATGTGGTAAACGCTTCA  
 GCTGTATTTCAAACCTTCACACCCACCAGAGATTCACACAGCAAGGAGAAAACCATACAAGTGTGACAAAGT  
 TGGGAAGTGCTTCACTTGAACCTTCAACCTTCACTTATCAGCGGGTCCACACAGGAGAGAAAACCGTAT  
 AAATGTGAAGAGTGTGGGAAGTGTTCAGCTTGAAGTGTGGGAAGTGTTCAGTTCAGCCTCAAGTTTCCAAAGACACCG  
 GAGAGAAGCCATATAAAATGTGAAGAGTGTGGGAAGTGTTCAGTTCAGCCTCAAGTTTCCAAAGACACCG  
 GCAGATCCATATAAAAGAGAAGACACTTTCATCGTGTGTGTGGAAAAGGCGAGCAGCCGGGACTCGAAT  
 CTTCAAGTCTACAGAGAGTGCACATACAGGAGAAGCCCTATCGGTGCAACAGCTGTGGGAAGAGCTTCC  
 GCTGTAGCATGGATCTCAACATCCACCGCCGAGTACATACTGGAGAGAAAACCTTACAAGTGTGAGGTGTG  
 TGGGAAGGGCTTCAATATTTGTCACACCTCCAGGCCACGAGAAAATTCATGCAGATCAGAAGCCATAT  
 AAGTGTGAATACTGTGGCAGACGCTTCACTATAGTTCAAACCTTACACCCACCAGAGAGTTCACACGG  
 GAGAGAAAACCTATAAAATGTGAGGAGTGTGGAAAAGCTTCAGTCTAGCGTCTAGTCTACAGGCTCATCA  
 AAGAGTCCAACTGGCAAGAAGCCATTCAAATGCAATGCATGCCAAAAGCGATTTCAGTCAAGCCTGGAAC  
 CTCAGGCCACAGAGAGTGCACACTGGGAGAAAGCCCTACAAGTGTGACACGTGTGGGAAGCCTTCG  
 GCCAGAGGTCCAGTCTTCAAATCCATCAGAGAATTCACACTGGGAGAAAGCCATTCAAATGTGAGGAGTG  
 TGGGAAGGAGTTCAGCTTGAATTCAGGGCTTACTGCTCACCGGAGGGTCCACACGGGAGAGAAGCCCTAT  
 GAATGCACAGAGTGTGGGAAGGCTTGTAGTCTTGCCTCAAGTCTACGAACTCATCAGCGAATTCACACCG  
 GCGAGAAAACCTTCAAATGCAATGAGTGCAGAAAGAGGTTTCAGTCAAGTCTCACACCTCCAGTCCCACCA  
 GAGGGTTCACACAGGGGAGAAGCCTTACAAATGTGACACCTGTGGGAAGGCTTTCAGTCAAAGTCTGGT  
 CTCCAAGTCCATCGGAGAATTCACACTGGGAGAAAGCCGTTCAAGTGTGAGGAGTGTGGGAAGGAATTC  
 TCTGGAGCTCAGGGCTTAGTGCTCACCGGAGGGTCCACACAGGAGAAAAAACCTGCACGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR210948 representing NM\_133323  
 Red=Cloning site Green=Tags(s)

MTKLQEAVTFRDVAVVFSKEEMGLLDAAQRKLYHDVMLENLRNLLAVGGQSPNKMKTVDATGVRCLLLGQ  
 LLYWEITGHDANKLARAPEAVVHTQGGKSHFLEQGHSSCHREAEPRPSEDDSSLSLDRDHSSTTENQ  
 EFLSGRAQGSWCKTHLRKRQNHQKHCLQTLMKNKPELLTQHSPVQRTQEDSRHSSSVPIQQSVHPGRKRY  
 WCHECGKGFSSALQTHRRVHTGEKPCRDNSCRKFSRSSGLSIHRQVHTGERPYRCKVCGKGFRLRWSH  
 LQAHERIHTGEKPYKCGECGRFSCISNLHTHQRFHSEKPYKCDKCGKCFSLNFNLHIHQVHTGEKPY  
 KCEECGKCFSLSFNLHSHQVHTGEKPYKCEECGKCFSSASSFQRHRQIHIKEKTLHRDVCCKGSSRDSN  
 LQTHQRVHIQEKPYRNCSCGKSFRCMSDLNIHRRVHTGEKPYKCEVCGKGFNYLSHLQAHEKIHADQKPY  
 KCEYCGRRFSYSSNLHTHQVHTGEKPYKCEECGKSFSLASSLQAHQVQTGKKPFKCNACQKRFSAQWN  
 LQAHQVHTGEKPYKCDTCGKAFGQRSSLQIHQRIHTGEKPFKCEECGKEFSLNSGLTAHRRVHTGEKPY  
 ECTECGKGFSLASSLRTHQRIHTGEKPFQCNQCQKRFQVSHLQSHQVHTGEKPYKCDTCGKAFSQKSG  
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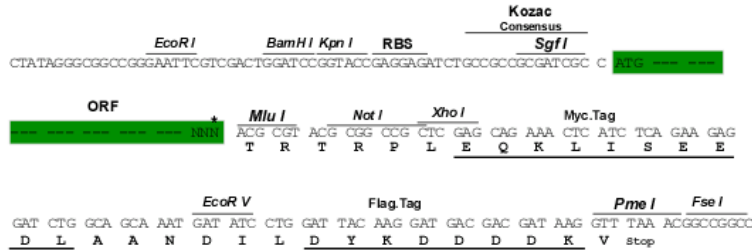
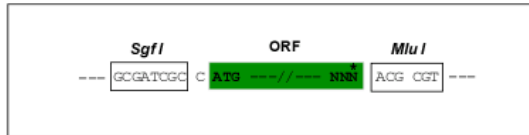
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

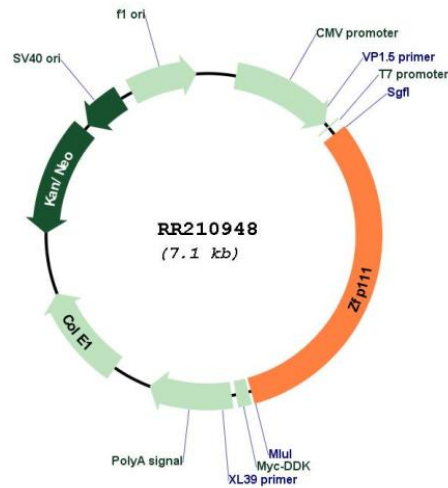
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_133323

ORF Size: 2232 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\\_133323.1](#), [NP\\_579857.1](#)

RefSeq Size: 2817 bp

RefSeq ORF: 2235 bp

Locus ID: 170849

**Cytogenetics:** 1q21

**MW:** 85.4 kDa

**Gene Summary:** has transcriptional repressor activity; may act as a transcriptional repressor in oligodendrocytes of the CNS; may play a role in myelination [RGD, Feb 2006]