

## Product datasheet for MR217598

### Zfp26 (NM\_011753) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp26 (NM_011753) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp26
Synonyms:	5033428C05Rik; KRAB15; mKIAA4196; mkr-3; mszf14; mszf52; Zfp-26; Zfp70; Zfp81-rs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217598 representing NM_011753, <b>codon optimized</b> . Due to the complexity of NM_011753, 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**CGCATCGCC**

ATGGACCTGACCTCCCTTCTTTCGCGAAAGTCTGCTCTCCGGGGACCAGAAGTCTCTCAGGGCGAGGAAA  
CGGAGGGGGAGAGTATGCTGGCTGACTGCCTGAAAAATTGCAATAAAGACGAGGCCGTGGACTTCTCTGA  
AGAGGAGTGGACAATAAGCCCGACGCAAACTCTAAACCAGGAGCCGTGGCTGTGGAAGAACACACC  
AGTCTGGCAGCTGTGGAGCTGGAGAAACAGCTCCAGACAAAAGACCTGGCCCCGAACAGGACTTCTGA  
CAAGACATACTTTTATGGAAACCAACAGGTGACGCGCCGTGACTTTTGAGGATGTCGCGGTGGACTTAC  
CCAGGAGGAGTGGACATCCCTCGACCCCGTACAGAGAAATCTCTACAGGGATGTTATGCTGGAAAACAT  
CAGAATCTGGCCACAGTTGGTGGTCAGATGTTAAAGCCCTCTCTCATCAGCTGGCTGGAGAAAAAGTTG  
AACTGACAGTGATCGAACAGGGCATACTTCAAGAGTGGGAAATGCACCTGAAAACCAAGCGCACAGCCTT  
GCAGCAAGATAGATTCTGGTCTGACATGTCTAACGGCATGCAACTTGGCCGGGAACACTCAGGAGGGGAA  
CCTGGGGACCCCGTGCAGGTGGGAGCAGTTTTTCCGAGGACTCTGCCACAGACACATAGCAGCACGA  
GTAATACTGGTAACACCTTTGCTTGCAACCTCGACGGGAAAGACTTTCAGCCACTGCTGAAGGAAACCAG  
TACAGAGGAAAACATCGTTCAGTTGAATCAGTGTGTTAAACCTTTGATTTTACTCCAGATGTGAGTCAA  
AAAAATGTACGCCGAAAAATCAGTGGAGTGTAGTACTGTGGCGAAACCTTCGTGAACCAGCTGGAAC  
TTCAGACTCACTAGCAGTCACCGAGAAAAGAATTCATAAGAGCGAGGAGTGTGGGCAGGCTCCAC  
ACATCCTATTAGTCACGGCGGTACGTGATCCCAACAGAGAAAAAGTACTATGAGTGCAAAAAGTCCGAA  
AAGTTCTCACCCACCCAGTCTATCTTAATATTCACATGCAGAGTCACACCGTGGAGAAGCCCTATGACT



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GCAAGGAGTGC GGGAAGGCTTTACAGAGCGATCAAGCCTCATTGTTACCTGAGGCAGCATACGAGGGA  
 AAAAAGCTACGAGTGTAAGAATGTGGAAGACGTTTCATCCAGCCGTCCAGGCTGACAGAACACATGCGC  
 AGTCATACCGGGGAAAAACCTTACCAATGTGATCAGTGTGGTAATGCCTTCGCATCCTCAAGCTACTTGA  
 CAACACACTTGGCAGACACACAGGCGAAAAAGCCTTTGAGTGCAACATTTGCGGAAAAGCTTTCACTAG  
 ATCCTCCTATTTGCTGGGTCATATCAGGACCCACACCGGTGAAAAGCCATATGAATGCAAAGTGTGTGGG  
 AAAGCATTTTCCGGTAGATCCTGGCTGACCATCCACCTGAGGAAGCACACGGGCGAACGCCCTATCCAT  
 GTACCGAATGCGAGAAAGCCTTTACTAGCTTCGCCAGCTCACCAGCACATTAAGACCCACACTGGTGA  
 AAAACCATTCCGATGCAAGGTGTGCGCTAGAACTTTCCGCAATCAAGCTGTCTGAAAACCACTTCAGG  
 ATCCACACAGGAATTAACCCTATAAATGCAATTATTGTGGCAAAGCTTTTACCAGCGCTCCGGGCTGA  
 CCAAGCATGTGCTGATTCACAATGGTGAGAAACCATATGAGTGTAAAGGAGTGTGGAAAAGCCTTTCCAC  
 TAGTTCAGGCTTGGTGGAAACACATTCGGATACATACAGGTGAGAAGCCATTTGAGTGTACCAATGTGGA  
 AAGGCTCTGGCTCATTCTCTTCACTGGTGGGACACCTCAGGACTCATAACAGGTGAGAAGCCCTTTGAGT  
 GTAATCAGTGTGACAAGACATTCACACGCTCTAGCTACCTGAGGATTCATATGAGGACCCATACCGGGGA  
 GAAGCCATATGAGTGAAGGAGTGTGGAAAACCTTCCCTGAGCGGAGTGTGTTGACCAACACATTCGA  
 ACCCATACAGGGGAGCGACCTACGAATGCAAAGAGTGC GGTAAGGGATTCATATCCTTTGCACAGTTGA  
 CCGTGCACATCAAGACTCATAGTAGTGAACGCCCTTCCAGTGTAAAGTGTGTACAAAGAGTTTTAGGAA  
 TTCTTCATCCCTCGAGAGCATTTCGCATCCACACCGCGGTTAAGCCCTATAAATGCTCTTATTGTGGC  
 AAAGCGTTCAGTCTCGCAGCGGGCTGACGATCCACCTCAGGAACCATACCGGCGAGAAGTCTTACGCAT  
 GCCAGGAGTGTGGCAAGGCTTTTAGCACCTCTTCAGGGCTGATTGCGCATATCCGCTCCCATAAAGGAGA  
 GAAGCCGTTTGTGAGTGTGACCACTGCGGCAAAGCCTTCGCCTCTTCAAGCTATCTCAACGTCCACTTGAAA  
 ATACACACGGGGAGAAGCCATTTAGTGCACGGTCTGCGGTAAAGCTTTACGTGCTCCAGTTATCTGC  
 CTGTACACATGAGAACGCACACGGGCGAAAAGCCATTTAGTGCATCATCTGTGGGAAATCTTCCCTCTG  
 GAGCTCATACCTGAGAGTGCACATGAGGATCCACACAGGGGAGAAGCCTTACGTGTGCCACTGCGCG  
 AAAGCTTTACAGAACACAGCGGACTGAACAAGCATCTCCGGAAGCACACTGGCGAGAAGCCCTACGAGT  
 ACAAAGAATGTGGCGAGAACTTTACGACAGTGC CGATGCCAATGAGCACGAGACACCTCATTGGGAGAG  
 AAATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217598 representing NM\_011753  
 Red=Cloning site Green=Tags(s)

MDLTSLSCESELLSGDQNC SQGEETEGESMLADCLKNCNKDEAVDFSEEEWTTKAPTQNSKPGAVAVEEHT  
 SLAAVELEKQLQTKDLAPEQDFLTRHFMETQQVDAVTFEDVAVDFTQEEWTS LDPVQRNLYRDVMLENY  
 QNLATVGGQMFKPSLISWLEKKVELTVIEQGILQEWEMHLKTKRTALQQDRFWS DMSNGMQLGREHSGGE  
 PGDPVQVGAVFSEDSQPQTHSSTNTGNTFACNLDGKDFQPLLKETSTEENIVQLNQCVKPLIFTPDVSQ  
 KKCTPEKSVECSDCGETFVNQLELQTHSSSHREKNIHKSEECQASTHPISHGGHVIPTEKKYYECKKCE  
 KFFTHPVYLNIIHQSHTEKPYDCKEKGAFTERSSLIVHLRQHTREKSYECKEKGKTFIQPSRLTEHMR  
 SHTGEKPYQCDQCGNAFASSSYLTTHLRHTHTGEKPFECNICGKAFTRSSYLLGHIRTHTGEKPYECKVCG  
 KAFSGRSLTIHLRKHTGERPYPCTEKEKAFSTFAQLTEHIKHTHTGEKPFRCVKVCARTFRNSSCLKTHFR  
 IHTGKIPYKCNCGKAFARSGLTKHVLIHNGEKPYECKEKGAFSTSSGLVEHIRIHTGEKPFECYQCG  
 KALAHSSSLVGHRLRHTHTGEKPFECNQCDKFTTRSSYLRIHMRHTHTGEKPYECKEKGKTFPERSCLTKHIR  
 THTGERPYECKEKGKGFISFAQLTVHIKTHSSERPQCKVCTKSFRNSSSLETHFR IHTGVKPYKCSYCG  
 KAFTARSGLTIHLRNHTGEKSYACQECGKAFSTSSGLIAHIRSHKGEKPFECDHCGKAFASSSYLVHLK  
 IHTGEKPFQCTVCGKTFTCSSYLPVHMRHTHTGEKPFQCIICGKFLWSSYLRVHMR IHTGEKPYVCQYCG  
 KAFTTEHSLNKHRLRHTHTGEKPYEYKECGENFTTSADANEHETPHWGENL

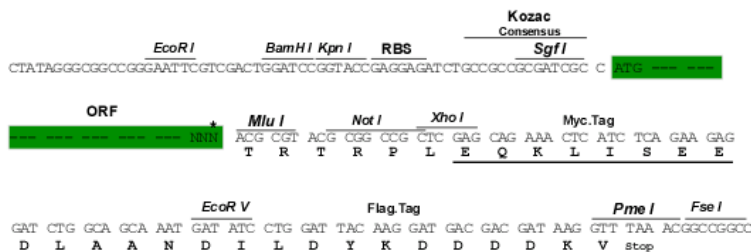
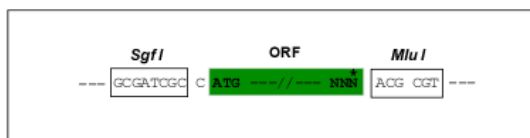
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_011753

**ORF Size:** 2877 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.

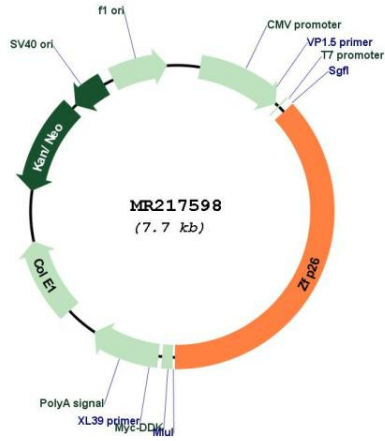
**RefSeq:** [NM\\_011753.3](#), [NP\\_035883.2](#)
**RefSeq Size:** 11407 bp

**RefSeq ORF:** 2880 bp

**Locus ID:** 22688

UniProt ID: [P10076](#)  
 Cytogenetics: 9 7.55 cM  
 MW: 108.8 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR217598