

Product datasheet for **MR216499**

Zfp287 (NM_133208) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp287 (NM_133208) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp287
Synonyms:	B230333C16Rik; mszf16; mszf74; SKAT-2; Skat2; Znf287
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216499 representing NM_133208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAATTCCTCACTTCCCAAGTCCTTCTAATGTGGAAGCCAGGCAAGATCCAGAAGGGACCCTGCA
 GTGCTGAGCAGCAGACTCACCTCAAGACTCTTGCGTGACTGAAACCTGTCGACGGAATTTAGAAA
 TTTCCCATACCCGGATGTGGCAGGCCCTCGGAAAGCGTTGTGTCAGCTCCGAGAGCTCTGCCTGAAGTGG
 CTGAGACCTGAGGTTCAATCCAAGGAACAAATTCTGGAGTTGCTGGTGTGGAGCAATTTCTGAGCATCC
 TGCCTGGGGAGGTTAGGACTTGGGTAATTTCTCAGTACCCAGAGAGCAGCGAAGAAGTGGTGGCTTTGGT
 GGAGGATTTGACTCAGATCCTAGAAGAAGAAGCTCCTCAGAGTTCTGCCCTCCCCAAGACACCCCA
 GAGGATGACCCCAACCATGACCCCAACCTGCTTCCCAGGCAGGGTGGCTCAGTGACGTGGTGACCAAG
 ACTTGGTGACATTCAATGACGTGGCTGTGGACATCACCCAAGAAGACTGGGAAGTATGCCCCCTGTTCA
 GAAGGAATTGTATAAGACTGTGACTTTACAGAATTGGAACATGGTTTCTCTAGGACTGACTGTGTAC
 AGGCCAACTGTGATTCGGTCTTAGAAGAGCCGTGGATGGTGATAAAAAGAAATGTAGAAGGCCCTAATC
 CAGAATGGGAACCTAAAGCTCAGGCACAGTGCCAGCAAAGCATCTCCCTGAACTCAAGCAGGACGGAAAC
 CCAAACCGTAAAAGTGAAGATTCCTATGACGACGACAACGATGACAGCGTAGAGAGTCCGCCAGTGTGT
 GCCTTCGGGATGATCCACATAGATGAGGAAGGCTTCAGTGTGAAGTCAAGCTTTACAAGAAGACCCCTA
 CAGAAGAATACCTTAGCAAAATGTACATATATAGAGTACTTTTAAAAGCACACAAACCTAGGGGTCCA
 GTTTGATACCCAGTCGGATGATAAACTGCTCTGTATAATGAAAGCAAGCCACCGTTTCAAGTGCCTCG
 TCTGGTGGTCCCGTGGTGGGAAAATACTTCTGGAGATAAGCCTTATTCCTGTAATGTCTGTGGGAAAC
 AGTTTAGAAAGTACCTTCCCTCCTGGCGACCCGAGAGAACCAGCCAAAGAGAAAAGCTTATGAGTGTGA
 AGAATGCCGCAAAGAATTAAGCATCTCTCCTCCCTCATCGCACATCAGAGAATGCACACCGAGAAAAA
 CCGTACGAATGCCACCAGTGTGGAAAGCCTTCAGTCAAGCAGCAGCACCCTGACTATACACCAGAGAATTC
 AACTGGAGAGAAAACCTACAAATGTGAGGACTGTGGAAAGACTTCAGTCAAGCAGCAGCAGCACCCTACCAT
 CCATCAAAGGACACACTGGGAGAAGCCGTATAAATGTCTGGAGTGCAGTAAAACCTTTAGCCATAGT
 TCATCACTGATTAATCATCAGAGAGTTCATACTGGAGAAAAACCTTATATATGCAACGAATGTGGGAAGA
 CTTTCAGTCAAGCAGCAGCACCCTTCTCCAGCATCAGAAAAATCCACTGGGAAAAAGCCGTACAAGTGCAA
 CGAGTGTGGAAAGTGTTCAGCCAGAGCACTTACCTCATCCGACACCAGAGAATCCATTCTGGAGAGAAG
 TGCTACAATGCACTGCCTGTGGAAAGGCCTTTGCCACTCCTCAACTCTATTCAACATCAGACCACCC
 ACACCGGAGAGAAGTCCATATATGCAACGTGTGTGGGAAAGCCTTCAGCCAAAGCGCAACCTTACCCA
 GCATCATAGAACACACTGGAGAGAAAACCGTACAAATGTAGTGTGTGTGGAAAAGCCTTCAGCCAGAGT
 GTGCACCTCACCCAGCACCAGAGGATTCACAATGGAGAAAAGCCCTTTAAGTGTAAATACCTGTGGGAAAAG
 CTTACAGACAGGGTGAAACCTGACTCAGCACCACGGGTCCACTGGAGAGAAGCCCTACAAATGTCA
 CCACTGCGGAAAAGCCTTTATCTACTCTTATCCCTTAACCAACATCGAAGAAGTCAACTGGAGAGCGA
 CCCTATAAGTGTAGTCACTGTAACAAAGATTTAGCCAGAGAACATGCCTTATTCAACACCAGAGGATTC
 ACACAGGAGAAAAGCCCTACGGATGCCGTATATGTGGAAAAGCCTTCACCCAGAGTACCAATCTTATTCA
 GCATCAGCGGGTTCATACGGGTGCCAGACATCGCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216499 representing NM_133208
 Red=Cloning site Green=Tags(s)

MANSSLSQVLLMWKPGKIQKGPCSAEQQTLSRLLRDTETCRNFRNFPYPDVAGPRKALCQLRELCLKW
 LRPEVHSKEQILELLVLEQFLSILPGEVRTWVNSQYPESEEVVALVEDLTQILEEEEEAPQSSALPQDTP
 EDDPNHDPNPASQAGWLSVVTKDLVTFNDVAVDITQEDWELMPPVQKELYKTVTLQNYWNMVSGLTVY
 RPTVIPVLEEPWMVIKEIVEGPNPEWEPKAQAQCPAKHLPELKQDGTQTVKLEDSYDDDDNDDSVESPPVC
 AFGMIHIDEEGFSVKSELSQEDPTEEYLSKCDIYRVTFEKHTNLGVQFDTQSDDKTALYNESKPPFSNAS
 SGGAVRGKILPGDKPYSNCVCGKQFRKYPSLLAHRENHAKEKAYECECGKEFKHLSSLIAHQRMHTGEK
 PYECHQCGKAFSQR AHLTIHQRIHTGEKPYKCEDCGKDF SQR AHLTIHQRTHTGEKPYKLECSKTF SHS
 SSLINHQRVHTGEKPYICNECGKTF SQSTHLLQH QKIHTGKKPYKCNECWK VFSQSTYLIRHQRIHSGEK
 CYKCTACGKAF AHSSTLIQHQTHTTGEKSYICNVCGKAF S QSANLTQHHRHTHTGEKPYKCSVCGKAF S Q S
 VHLTQHQR IHNGEKPFKNCNTCGKAYRQGANLTQHQRVHTGEKPYKCHHCGKAFIYSSSLNQHRRHTHTGER
 PYKCSHCNKDFSQRTCLIQHQRIHTGEKPYGCRICGKAF TQSTNLIQHQRVHTGARHRN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133208

ORF Size: 2277 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_133208.3](#)

RefSeq Size: 5021 bp

RefSeq ORF: 2280 bp

Locus ID: 170740

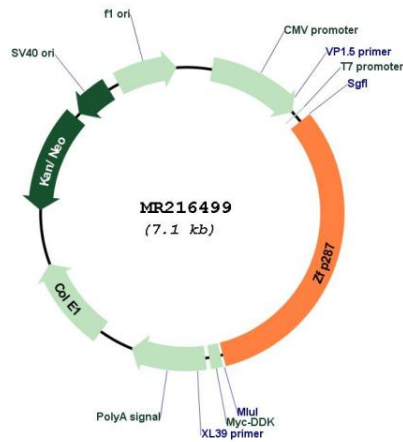
UniProt ID: [Q9EQB9](#)

Cytogenetics: 11 B2

MW: 86.6 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216499