

Product datasheet for **MG216499**

Zfp287 (NM_133208) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp287 (NM_133208) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp287
Synonyms:	B230333C16Rik; mszf16; mszf74; SKAT-2; Skat2; Znf287
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216499 representing NM_133208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAAATTCCTCACTTCCCAAGTCCTTCTAATGTGGAAGCCAGGCAAGATCCAGAAGGGACCCTGCA
 GTGCTGAGCAGCAGACTCACCTCAAGACTCTTGCGTGACACTGAAACCTGTCGACGGAATTTAGAAA
 TTTCCCATACCCGGATGTGGCAGGCCCTCGGAAAGCGTTGTGTCAGCTCCGAGAGCTCTGCCTGAAGTGG
 CTGAGACCTGAGGTTCAATCCAAGGAACAAATTCTGGAGTTGCTGGTGTGGAGCAATTTCTGAGCATCC
 TGCCTGGGGAGGTTAGGACTTGGGTAATTTCTCAGTACCCAGAGAGCAGCGAAGAAGTGGTGGCTTTGGT
 GGAGGATTTGACTCAGATCCTAGAAGAAGAAGAAGCTCCTCAGAGTTCTGCCCTCCCCAAGACACCCCA
 GAGGATGACCCCAACCATGACCCCAACCCTGCTTCCCAGGCAGGGTGGCTCAGTGACGTGGTGACCAAAG
 ACTTGGTGACATTCAATGACGTGGCTGTGGACATCACCCAAGAAGACTGGGAAGTATGCCCCCTGTTCA
 GAAGGAATTGTATAAGACTGTGACTTTACAGAACTATTGGAACATGGTTTCTCTAGGACTGACTGTGTAC
 AGGCCAACTGTGATTCGGTCTTAGAAGAGCCGTGGATGGTGATAAAAAGAAATTGTAGAAGGCCCTAATC
 CAGAATGGGAACCTAAAGCTCAGGCACAGTGCCAGCAAAGCATCTCCCTGAACTCAAGCAGGACCGAAC
 CCAAACCGTAAAAGTGAAGATTCCTATGACGACGACAACGATGACAGCGTAGAGAGTCCGCCAGTGTGT
 GCCTTCGGGATGATCCACATAGATGAGGAAGGCTTCAGTGTGAAGTCAAGCTTTTACAAGAAGACCCCTA
 CAGAAGAATACCTTAGCAAAATGTACATATATAGAGTACTTTTGAAAAGCACACAAACCTAGGGGTCCA
 GTTTGATACCCAGTCGGATGATAAACTGCTCTGTATAATGAAAGCAAGCCACCGTTTCAAGTGCCTCG
 TCTGGTGGTCCCGTCCGTGGGAAAATACTTCTGGAGATAAGCCTTATTCCTGTAATGTCTGTGGGAAAC
 AGTTTAGAAAGTACCTTCCCTCCTGGCGACCCGAGAGAACCAGCCAAAGAGAAAAGCTTATGAGTGTGA
 AGAATGCCGCAAAGAATTAAGCATCTCTCCTCCCTCATCGCACATCAGAGAATGCACACCGGAGAAAAA
 CCGTACGAATGCCACCAGTGTGGAAAGCCTTCAGTCAGCGAGCACACCTGACTATACACCAGAGAATTC
 AACTGGAGAGAAAACCTACAAATGTGAGGACTGTGGAAAGACTTCAGTCAGCGCGCACCTCACCAT
 CCATCAAAGGACACACTGGGAGAAGCCGTATAAATGTCTGGAGTGCAGTAAAACCTTTAGCCATAGT
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 CTTTCAGTCAGAGCACGCACCTTCTCCAGCATCAGAAAAATCCACACTGGGAAAAAGCCGTACAAGTGCAA
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 GCATCATAGAACACACTGGAGAGAAAACCGTACAAATGTAGTGTGTGTGGAAAAGCCTTCAGCCAGAGT
 GTGCACCTCACCCAGCACCAGAGGATTCACAATGGAGAAAAGCCCTTTAAGTGTAAATACCTGTGGGAAAAG
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 CCACTGCGGGAAGCCTTTATCTACTCTTATCCCTTAACCAACATCGAAGAAGTCACTGGAGAGCGA
 CCCTATAAGTGTAGTCACTGTAACAAAGATTTAGCCAGAGAACATGCCTTATTCAACACCAGAGGATTC
 ACACAGGAGAAAAGCCCTACGGATGCCGTATATGTGGGAAAGCCTTCACCCAGAGTACCAATCTTATTCA
 GCATCAGCGGGTTCATACGGGTGCCAGACATCGCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216499 representing NM_133208
 Red=Cloning site Green=Tags(s)

MANSSLSQVLLMWKPGKIQKGPCSAEQQTLSRLLRDTETCRNFRNFPYPDVAGPRKALCQLRELCLKW
 LRPEVHSKEQILELLVLEQFLSILPGEVRTWVNSQYPESSEEVVALVEDLTQILEEEEEAPQSSALPQDTP
 EDDPNHDPNPASQAGWLSVVTKDLVTFNDVAVDITQEDWELMPPVQKELYKTVTLQNYWNMVSGLTVY
 RPTVIPVLEEPWMVIKEIVEGPNPEWEPKAQAQCPAKHLPELKQDGTQTVKLEDSYDDDDNDSVESPPVC
 AFGMIHIDEEGFSVKSELSQEDPTEEYLSKCDIYRVTFEKHTNLGVQFDTQSDDKTALYNESKPPFSNAS
 SGGAVRGKILPGDKPYSCNVCGKQFRKYPSLLAHRENHAKKAYECECGKEFKHLSSLIAHQRMHTGK
 PYECHQCQKAFSQR AHLTIHQRIHTGKPYKCEDCGKDF SQR AHLTIHQRTHTGKPYKLECSKTF SHS
 SSLINHQRVHTGKPYICNECGKTF SQSTHLLQH QKIHTGKKPYKCNECWVFSQSTYLIRHQRIHSGEK
 CYKCTACGKAFHSSTLIQHQTHTTGEKSYICNVCGKAFS QSANLTQHHRHTHTGKPYKCSVCGKAFS QS
 VHLTQHQR IHNGEKPFKNTCGKAYRQGANLTQHQRVHTGKPYKCHHCGKAFIYSSSLNQHRRHTHTGER
 PYKCSHCNKDFSQRTCLIQHQRHTHTGKPYGCRICGKAF TQSTNLIQHQRVHTGARHRN

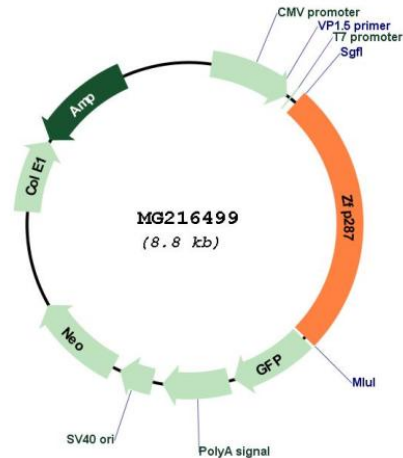
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


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

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