

Product datasheet for **MG210933**

Zfp341 (BC057098) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp341
Synonyms:	MGC73471, Znf341
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG210933 representing BC057098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGCAGGCGATCTTCGAGGCCCTGGAGGGAATGGACAATCAAACGGTTCTGGCCGTCCAGTCCCTTAC
 TGGATGGCCAAGGAGCAGTCCCTGACCCACAGGACAAAGTGTAATGCGCCACCTGCCATCCAGCCACT
 GGATGACGAGGATGTCTTTCTGCGGGAAGTGTAAGGAGCAGTTCAACTCACTGCCAGCCTTCATGACC
 CACAAGCGTGAACAGTGCCAGGCAACGCCCTGCCCTGGCCACAGTCTCGTGGTACCAACAGCATCT
 ATACACCGTCAGCAGCACCCGCTGCCGTCCAGCAGGCCCCACCTCCTGCCAACGCCAGATCTCCACGTA
 CATCACAGTGCCCCCTCCCACTGATCCAGACCCTGGTGCAAGGGAACATCTTGGTGAGCGATGATGTG
 CTTATGTCTGCCATGTCTGCCTTCACATCCCTGGACCAGCCAATGCCTCCAGGGCCCCACCTGTGCAGA
 ACAGCTTGAACATGCATCCTGTGCCAATTACCTACCCAGCCTCCACCCCTCCTCCACCCCTCCGCC
 TCTCCCCCACCCCCAGCCTCCTCCTCCCCACCCAGACTCTGGGCCCTTCTGGGCGCTCAACCCCT
 GTTGGGAACAGTGTGGTGGAGGTGTACAATGCTGCTGCTCCATGGCTGGGAACGGAACGGTGGAGATCC
 AGGCGCTGGGATGCAGCCGTACCCGCCCTGGAGGTACCAAGCCAGTGTGTGGAGGCTCCAGTGTACCC
 CACTCCCCCAGTGTACAGCCCTGGCAAGCAGGAATTCAAACCAAGGACCCAGTTCCTACTGCCCCATG
 ACCAATGCAACTGGGAGCAGGTGGCCACCTTTGACTCCCCACCAACGTTGAAGACCAGAGTGTAAAG
 GTGCCAGTGGACTCCAGAAAGCTGCAGGGAAGCCAAAGCTCAGAACTCAAGTGTCTCTACTGTGACAA
 GTCTTTCACCAAGAACTTTGATCTTCAGCAGCATATCCGAAGCCACACAGGGGAGAAGCCCTTCAGTGC
 ATTGCGTGTGGCGTGCCTTTGCCCAGAAGTCTAACGTCAAGAAGCACATGCAGACTCATAAGGTGTGGC
 CTCCAGGGCAAGTGGCGGCACAGTCTCCGAACTCTGTGACCGTACAAGTCAATGGCTTTGAACCCAA
 CAGGCAGGAAGAAGACACGGGTTGGGTGAGTCACTGTCCAGTACCACACAGCCCGAGCCTTGCCC
 ACGGCAGGTGAGGATGAAGGTGACAAGCCAGAGGCCAAGCAGGTGGTCTGATCGACAGCTCTTACCTGT
 GTCAGTTCTGCCCCAGCAAGTTCAGCACCTACTTCCAGCTCAAGTCCCACATGATTCAGCACAAAGGA
 GCAGGTGTACAAGTGGTGGTCAAAAGCTGTGCCAGATGTTCCCCAAGCTGGACACCTTTCTGGAGCAC
 ATCAGAAGCCACCAGGAGGAGCTGAGCTATCGCTGCCATCTCTGTAGCAAGGACTTCCCTCACTGTATG
 ACCTGGGCGTACACCAGTACTCCACAGCCTCCTGCCGAGCACAGCCCCAAGAAGGACAGCACCCTCTA
 CAAGTGTGTCAAGTGTGTCAACAAATACTCCACTCCCGAGGCTTGGAGCACCAGTGCAGACGGCCACT
 CATAGCTTCCCTGCCGCACTGCCAGAAGTCTTCCCTGTGAACGCTACCTGCGGCGTCACTTACCCA
 CCCATGGCAGTGGTGGCCGATTGAGGTGCCAGATCTGTAAGAAGTCTTCCGGAAGGAGCACTACCTCAA
 GCTACACGCCACATCCACTCAGGTGAGAAGCCCTACAATGCTCAGTGTGTGAGTCTGCCTTCAACCGC
 AAAGACAAGCTGAAGAGACACATGCTGATCCACGAGCCCTCAAGAAATACAATGCCCTTCTCGATGC
 ACACGGGCTGCAGCAAGGAGTTCAACCGGCAGGACAAGCTGAAAGCCATATCCTCTCCACGCTGGCCT
 GAAGCTCCACAAGTGTGGGCTGTGCAGCAAGTCTTCAGCCGTCGAGCTCACCTGGCAGAGCAACCAAGCA
 GCCCACACAGGCAACTACAAGTTCGCTGCGCGGGCTGCGCCAAGGGCTTCTCACGACACAAATACCTCA
 AGGATCACCGCTGCCGCTGGGCCCCACCAAGGACAAGGACCTGCAAGCCCGGCGGCTCCCGGAGGAG
 GGCAACGGCGCGTGGTGGTGGCAGCATCGCCAGCGGGCACAAGGAGGAGAACCCATGCCAGACCGCTG
 GGGCTGGAGGAGCTGAAGGCCGAGGACCTCGCTGAGGCTGCCCTGGCAAGCCACCTTTGAGCAGG
 ACGCTGTGTTGCCATTGTGGTGGGCGGGACCCGAGCTGGTGGTGCCTGGGCACACAGAGGGTCTGGG
 CTCAAACCTGGCACTTGGCGAGCTGCAGGCTGGAACGAGGGAGGGTGTGCCATGCTCGCGCTCCAGTC
 TATATCCAAGCCTCAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG210933 representing BC057098

Red=Cloning site Green=Tags(s)

MAQAIFEALEGMDNQTVLAVQSLLDGQGAVPDPTGQSVNAPPATQPLDDEDVFLCGKCKKQFNSLPAMT
HKREQCQANAPALATVSLATNSIYTPSAAPAAVQQAPPPANRQISTYITVPPSPLIQTLVQGNILVSDDV
LMSAMSAFTSLDQPMPPGPPPVQNSLNMHPVPNYL TQPPPPPPPPPLPPPPQPPPPPPQTLGPGSRNP
VGNSVVEVYNAAAPMAGNGTVEIQALGMQYPPEVPSQCVEAPVYPTPPVYSPGKQEFKPKGPSSTAPM
TNATGSTVATFDSPTLKTTRAKGASGLPEAAGKPKAQKLKCSYCDKSFTKNFDLQQHIRSHTGEKPFQC
IACGRAFAQKSNVKKHMQTHKVPWPPGRSGGTVSRNSVTQVMALNPNRQEEEDTGLGQSLSSTTQPQALP
TAGEDGEKPEAKQVVLIDSSYLCQFCPSKFSTYFQLKSHMIQHKKEQVYKCVKSCAQMFPKLDTFLEH
IRSHQEELSYRCHLCSKDFPSLYDLGVHQYSHSLLPQHSPKKDSTVYKCVKCVNKYSTPEALEHHVQTAT
HSFPCPHCQKVFPCEYLRRHLPTHGSGGRFRCQICKKFFRKEHYLKLHAHIHSGEKPYKCSVCESAFNR
KDKLKRHMLIHEPFKKYKCPFSMHTGCSKEFNQDKLKAHILSHAGLKLHKCGLCSKFSRRAHLAEHQR
AHTGNYKFRACGCAKGFSRHKYLDHRCRLGPTKDKDLQARRPPRRRATARGGGSIASGHKEENMPDPL
GLEELKAAGPSPEAAPGKPPFEQDAVLIVVGGDPELVVPGHTEGLGSNLALAEQAGTEGGCAMLAVPV
YIQASE

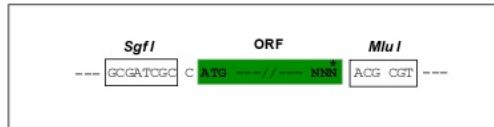
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 --- --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT
 - - E E R V Stop

ACCN: BC057098

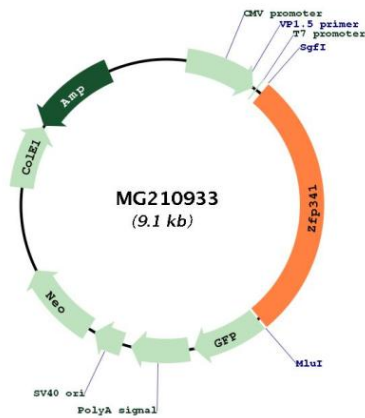
ORF Size: 2538 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC057098.1
RefSeq Size:	3247 bp
RefSeq ORF:	2540 bp
Locus ID:	228807
Cytogenetics:	2 H1

Product images:



Circular map for MG210933