

Product datasheet for **MR215656**

Zfp691 (NM_001145935) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Zfp691
Synonyms:	6430544H17Rik; Znf691
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR215656 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCAGCGAGAAGGAGCAGCGTCCCGAAGCTCACCTGCCCGAGGAAGGAGAAGGGCTAAACCTTGA
GAGTGGATGGCTCAAAGGATTCTCAGATCACACCTCGGGAGGATCATGGGCAGGAGAGCCTGTTGGCAGG
GCTCCACGGAACGCATCCACCAAGACAAGGCAGAAAGTCACTGCCAAGCCGAGGCCCCGGGGATCCC
ATGCTTTTTTCAAGCCCAGAGACAGATGAGAAGCTTTTATATGTGCGCAGTGTGGCAAAACCTTCAACA
ATACCTCCAACCTGAGAACGCACCGCGGATCCACACTGGCGAGAAGCCCTACAAGTGTCCGAGTGTGG
CAAGAGTTTCTCCCGAGCTCCAACCGCATCCGGCACGAGCGCATCCACCTGGAAGAGAAGCACTACCAA
TGCGCCAAGTGTCAAGGAGCTTCCGGCGGCGCTCGGACCTCACCACGCACCAGCAAGATCACCTGGGCC
AGCGGCCCTACCGCTGTGACATTTGTGGCAAGAGCTTCACTCAGAGCTCCACGCTGGCTGTACATCACCG
GACCCACCTGGAGCCAGCCCCTACATCTGCTGTGAGTGTGGGAAGAGCTTTAGCAACAGCTCCAGCTTT
GGGGTGCACCAACCGTACCCACACGGGTGAGAGGCCTTACGAGTGCCTGAATGCGGGCGGACTTTTCAGTG
ATATCTCCAACCTTTGGTGCACACCAGAGAACGCACAGAGGGGAGAAGCCGTACAGGTGCACCCTGTGTGG
GAAACACTTCTCCCGAGCTCCAACCTCATCCGACACCAGAAAACACACTTGGCGGCAAGATGAGAAG
GATTTTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR215656 protein sequence
Red=Cloning site Green=Tags(s)

MGSEKEQRPEAHLPEEGEGAKPWRVDGSKDSQITPREDHGQESLLAGLHGTHPPKTRQKVTAQAGGPGDP
MLFSSPETDEKLFIACQCGKTFNNNTSLNRTHQRHITGEKPYKCECGKSFSSRNNRIRHERIHLEEKHYQ
CAKCGQSFRRRSDLTTHQDHLGQRPYRCDICGKSFQSSSLAVHHRTHLEPAPYICCECGKSFSSSSSF
GVHHRHTHTGERPYECTECGRTFSDISNFGAQRTHRGEKPYRCTLGKHFSSRNNLIRHQKTHLGEQDEK
DHS

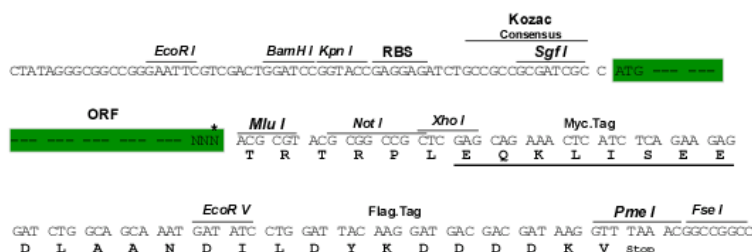
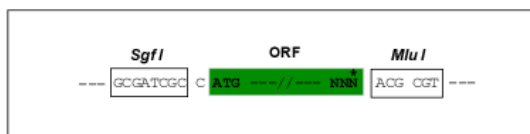
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM 001145935

ORF Size:

849 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: [NM_001145935.1](#), [NP_001139407.1](#)

RefSeq Size: 1721 bp

RefSeq ORF: 852 bp

Locus ID: 195522

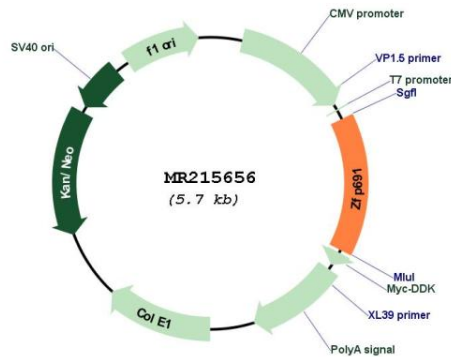
UniProt ID: [Q3TDE8](#)

Cytogenetics: 4 D2.1

MW: 32.2 kDa

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

Product images:



Circular map for MR215656