

Product datasheet for **MR223338**

Zfp68 (NM_001163797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp68 (NM_001163797) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp68
Synonyms:	KRAB3; KRAZ2; mszf22; mszf49; Zfp70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223338 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCTGGAAGCCAGAAATGGGCTGGTGTCAATTTAGGATATAGCTGTGAATTCACCTGGCAGGAAT
 GGCAGGACCTGAATGAAGGTCAGAGAACTCTACAGGGATGTGATGCTGGAGAACTACAGCAACTTGCT
 GTTCTTGGGGCACTGCAAAACCAACCGGAGCTGATCTTCAATTTGGAGCAAAGACTTGGGTCATGGATT
 GTAGAAGCCTCACACCACTGTGTCCAGATTTCCAGAATATGAGTACCCTGAATAAGAGCAGTCCAGATA
 CCAAAGCAAGACACGTGTGGCAAGTTGCCCTCAACAGTGAACATCAAAGGAGTTGGCTGGAATAGGGAA
 TACTTGAATGTGAGCACAACCATATTTAGATCAGACTATCAAGAATGAGAACTACTAGGAATGAGT
 CCTAGAAAGTTTATTCTGTGAAGGACGTGTATCTCCACTGATGCTGATGAGATAGAAGTTGGAGAAG
 AACCTGAAGATCTTAATGGAATGCAGAATCTGTACACACCCCGAGCAAGTTAGTCTATACAGGTTTCA
 AAGGTCACAGAGTTACTTTCAAAGTCTGATACCAGGGAAATCCTTCAACACAAAAGCAGTATTACTTACT
 CATAAGTTCAGTGAATATGCAAAATCCTTAGGTGATACAGCATTTATTGACAAAGAGATGGCTCAGATAA
 GGGTGAATCCTTTGAATGTAATGTATCAGAGATAAACTGTAGCAAGTCTGACCTTAATGAAATGAACC
 CACGCACATGGGAGAGAAACATTACAAATGTAGTAACCTTTGAGAACCTTTTATTATTGAATCATACCTT
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 TGAGTCTTCATCAGAAAATCCGCAGAGGGAAAAAACCTATGAATGTAAAATATGTGGCAAGTGCTTTTA
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 AGAATTCATACAGGTGAGAAGCCCTATGAGTGTGAGAATGTGGGAAAGCCTTCTCCACTAAGTCCTATT
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 ATGAAGACCTTCTACCGTAAGTCAGGCCTGACTCGACACCAGAGAACTCACACAGGTGACAAACGCTATG
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 TGAGAAACCTTATGAATGTAAGGAATGTAGGAAAGCTTTCTATGATAAGTCAAACCTTAAGCGGCATCAG
 AAGATTATAGTATGAAGAAAGCCTCTGAGAGCAAACAGTCTAACAACCTTTTTCTGAGTGATACTTCTC
 AACATCAGACGATGTATTATGAATATGAAGAATGCAAGAAAGCTTCCACCAGAAAACAACTTTACT

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

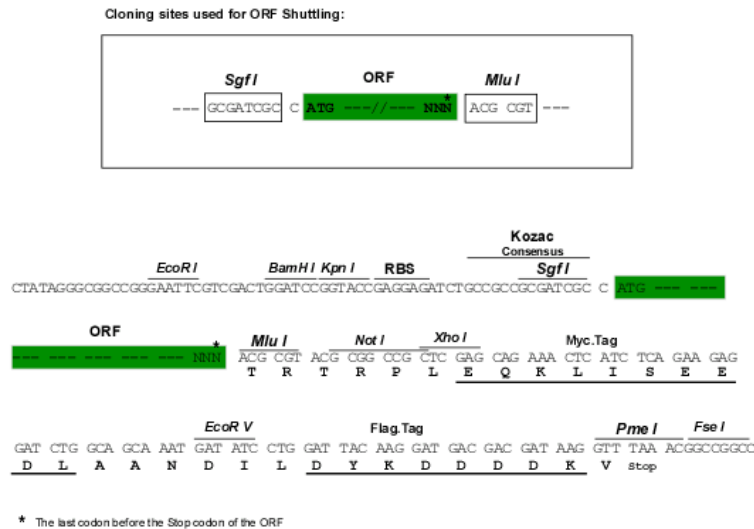
>MR223338 protein sequence
 Red=Cloning site Green=Tags(s)

MSWKPEMGLVSFEDIAVEFTWQEWQDLNEGQRTLYRDVMLENYSNLLFLGHCKTKPELIFNLEQRLGSKI
 VEASHQCVPDFQNMSTLNKSSPDTKARHVWQVALNSETSKELAGIGNTCNVSTNHIISDQTIKNENSLGMS
 PRKFILWKDVYLHTDADEIEVGEEPEDLNGTAESVTHPEQVSLYRFQRSQSYFQSLIPGKSFNTKAVLLT
 HKFSEYAKSLGDTAFIDKEMAIQIRVKSFEKNVSEINCSKSDLNENEPHMGKHYKCSNFENPFIIESYL
 PKHKGQHEKLFIQKEYEFSQQSEVSLHQQIRRGKKTYECKICGKCFYWKTSFNRHQSTHTGEKPYECTEC
 SKAFCQKSHLTQHQRVHTGERPYICFECKAFYRKSELDHQRHTGEKPYECKEKGAFQKQPLTLHQ
 RIHTGEKPYECAECGAFSTKSYLTVHQRHTGEKPYECTVCRKSFICKSSFHHWRHTGEKPYECKQC
 MKTFYRKSGLTRHQRHTGDKRYECQLCQAFYCTSHLIVHQRHTGEKPYECKECKAFYDKSNLKRHQ
 KIHSMKKASESKQSNNFLSDTSQHQTMYYEYEECKKAFHQKTNFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001163797

ORF Size: 1818 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_001163797.1](#), [NP_001157269.1](#)

RefSeq Size: 4725 bp

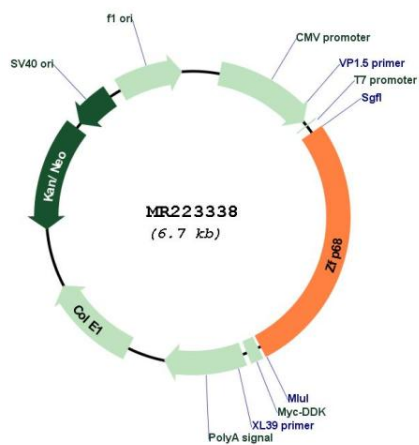
RefSeq ORF: 1821 bp

Locus ID: 24135

Cytogenetics: 5 77.1 cM

MW: 71.2 kDa

Product images:



Circular map for MR223338