

Product datasheet for **MG210037**

Zfp12 (BC053080) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp12 (BC053080) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp12
Synonyms:	C530015C18; Krox-7; Zfp-12; Znf12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210037 representing BC053080
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATACATCCTTAGGCCCACTGTCATTCAAGGATGTGGCTGTGGCCTTCTCCCAGGAGGAGTGGCAGC
 AGCTGGACCCTGAGGAAAGGACGACATACAGGGATGTGATGCTGGAGACCTACAGCAACCTCGTCTCCGT
 GGGGTATGACATTATCAAACCGGATGTTATCATCAAGTTGGAACAAGGAGAAGAGCCATGGATAGTAGAA
 GGAGCGTTCTCGCCTCAGAGCTATCCAGATGAGATCCGGCACATGAGCAGGCTGATGGAGGAGGACCAGG
 GAGGTGAAGAGAACCAGTCAAGTTCAGCTGTGTTCACTACAGAAGCCGGCTGATGCCTCTAGTAAGGC
 CACTGATGGAGAAACAAAGCCCTTCCCTCACAGAAGGCCCTCCCTCAGTGCAACTCCTGTGAGAAGAGC
 CTGATGTGTGTCTCGCGTTTCATCCGAAGCGACGGAAGCTACGAAAACCTGAGGCCCAATGTGTGTGCCG
 GGTGTGGGAAGCCCTCCCTGCAGCAAGCCCGAGGAAACACACCCTGGAGGTGAGTCTTACGAATTTAG
 TGGGGATGGAGATGAGGACCCTCTCGGTGAAGAAGCGTGTATCAGAAGGGTCACTTTTTGGAGGAGCCC
 TTTGAATACGTTGAGTGCCAGAAATCCTTCCCCAAGGGCACTGTGTTTCTTAATCACCTGGAAGAGGAGC
 CCTGCGACTGGAATGACGCTGAGGTGCTTTCCTGCAGACGTGACACCTCAGTGCCCAACAGGATTCTCT
 CATGGAATGAAGCCCTACGAGTGCCAGCAGTGTGGGAAGTCTTCTGCAAAAAGTCCAAGTTTCGTATC
 CATCAGAGGACTCACACAGGAGAGAAGCCCTTCAAGTGCACTCAGTGTGGGAAGTCTTCTGCCAGAAGG
 GCACCCTCACCGTCCACCAGAGGACGCACACGGGGAGAAGCCCTACGAGTGACCGAGTGCGGGAAGAC
 CTTCTACCAGAAGCTGCACCTCATTACAGCAGAGGACCCACTCGGGCGAGAAGCCCTACAAGTGTGGC
 TACTGCGGAAGTCTTCTGCCAGAAGACGCATCTCACTCAGCAGCAGAGGACGCACTCGGGAGAGAGGC
 CCTATGTTTGTACGACTGTGGCAAGACGTTCTCTCAGAAGTCACTCAATGACCACCAGAAGATCCA
 CACGGGCGTCAAACCTCTACAAATGCAGCGAGTGTGGCAAGTGCTTCTGCCGCAAGTCCACGCTCACAAC
 CACATGAGGACGCACACGGGCGAGAAGCCGTACGAATGCAACGAGTGCGGCAAGTCTTCTCCAGGCTGT
 CGTACCTCACCGTGCAATTACAGAACCCTCGGGGAGAAGCCCTACGAGTGTCGGAGTGCGGGAAGTC
 CTTCTACCTGAACCTCAGCCCTTATGAGACATCAGAGGGTGCACACGGGGAGAAGCCTTACGAGTGAAC
 GAGTGTGGGAAATTATTCTCGCAGCTGTCTACCTCACCGTGCATCACAGAACTCACTCAGGAGTGAAGC
 CCTATGAGTGTAGCGAGTGTGGAAAGACCTTCTACCAGAATTCAGCCCTCTGTAGACACCGGAGAATTCA
 CAGAGGGGAGAAGCCCTATGAATGCTACATCTGTGGCAAGTCTTTTCTCAGATGTCTTACCTCACGATC
 CATCACAGAATTCATCAGGGGAGAAGCCCTATGAGTGCCGCGAGTGTGGGAAGTCTTCTGCCAGAAT
 CAGCCCTCAACAGACACCAGCGCACGACACGGGAGAAAAAGCCTACGAGTGTTACGAGTGTGGGAATG
 CTTCTCCAGATGTCTTATCTCACTATCCATCACAGGATCCACTCGGGAGAGAAGCCCTTCGAGTGTAAAC
 GAGTGTGGGAAAGCCTTCTCTCGGATGTGTACCTCACTGTGCACCACAGGACCCACTCAGGAGAGAAGC
 CCTATGAATGTACGAGTGCGGGAAGAAATCTACCACAAGTCCGCGTTCAATAGCCATCAGAGAATCA
 CAGGAGAGGGAGCGGAATGGGGTTGAT

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210037 representing BC053080
Red=Cloning site Green=Tags(s)

MNTSLGLPLSFKDVAVAFSQEEWQQLDPEERTTYRDVMLETYSNLVSVGYDIIKPDVIIKLEQGEEPWIVE
GAFSPQSYSPDEIRHMSRLMEEDQGGEEQSSSAVFSYRSRADASSKATDGETKPFPSQKALPQCNSCEKS
LMCVSAFIRSDGSYAKLRPNVCAGCGKPLPCSKPEETHPGGESYEFSGDGEDPLGEEGVYQKGFLEEF
FEYVECQKSFPGKTVFLNLHEEEPCDWDAEVAFLQTSLSAHQDSLMEKPYECQCGKSFCKKSKFVI
HQRTHTEKPFKCSQCGKSFQKGTLTVHQRTHTEKPYECTECGKTFYQKLHLIQHQRTHSGEKPYKCG
YCGKSFCQKTHLTQHQRTHSGERPYVCHDCGKTFQKSALENDHQIHTGVKLYKCSECGKCFCKSTLTT
HMRTHTEKPYECNECGKFFSRLSYLTVHYRTHSGEKPYECAECGKSFYLNALMRHQVRHTGEKPYECN
ECGKLFSQSYLTVHHRTHSGVKPYECSECGKTFYQNSALCRHRIHRGEKPYECYICGKFFSQMSYLT
HHRIHSGEKPYECRECGKSFQNSALNRHQRTHTGEKAYECYECGKCFQMSYLTIIHRIHSGEKPFECN
ECGKAFSRMSYLTVHHRTHSGEKPYECTECGKKFYHKSANSHQRTHRRGSGNGVD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC053080

ORF Size: 2058 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: [BC053080.1](#)

RefSeq Size: 4315 bp

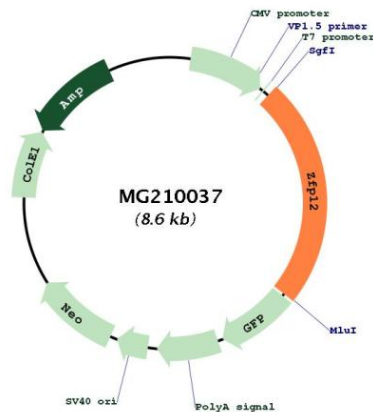
RefSeq ORF: 2060 bp

Locus ID: 231866

Cytogenetics: 5 G2

Gene Summary: Transcriptional repressor which suppresses activation protein 1 (AP-1)- and serum response element (SRE)-mediated transcriptional activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210037