

Product datasheet for **RG220191**

ZFP37 (NM_003408) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP37 (NM_003408) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFP37
Synonyms:	zfp-37; ZNF906
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG220191 representing NM_003408
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGTCTCCAGCGGCTCCAGATTCTGACAAAGCCAGAGACCGTGGACCGGAGGAGAAGTCCGGAAA
 CGACAAAAGAGGCCGGGGGACCCTGGAGATGGCTGTGTCCGAGCCCAGGCCAGCGCCGCGGAATGGAA
 GCAACTGGATCCTGCTCAGAGCAACCTGTATAATGATGTGATGCTGGAGAATACTGCAACCAAGCCTCA
 ATGGGGTGTCAAGCTCCCAAACCAGACATGATCTCCAAGTTGGAAAAAGGAGAAGCACCATGGTTGGGGA
 AGGGGAAAAGACCAGTCAAGTTGTCCAAGTAAATAGCAAGACCCAAGCAAAAAGAACTGATGGAAA
 AGTCCAGAAAGATGATGACCAGCTTAAAAATCCAGAAATCTCAAAACAACTCCTCAGGGAAGTTGCA
 GTCAAGAAGAAAACCAAGCTAAGAAGAATGCCAGTACTGTGGTTCCTGGGAAAAAAAATAATTTGC
 ATAAAAACATGTTCTTCAAAGAAAAGGCTTCTTAAATTTGAGTCATGTGGAAAAATTTTGAACAGAA
 TTTAGATTTACCTGATCACTCAAGAACTGTGTAAGAAAGAAATCTGATGCAGCTAAAGAACACAAGAAG
 TCATTAACCATAGCTTATCTGATACAAGGAAAGGCAAAAAGCAAACTGGAAAGAAACATGAGAAATAT
 CCAGCCATAGCTCATCTGATAAGTGTAAACAAAACCTGGCAAAAACATGACAAATATGCTGTCATAGTTC
 ATCCCATATTAACAGGACAAAATTCAACTGGAGAGAAACATGAGAAATCACCCAGCCTTAGCTCATCT
 ACTAAGCATGAAAACCTCAAGCTTGTGTGAAACCTATGAATGTAATCAATGTGGAAAGTTCTCAGCC
 ATAACAAGGACTCATTGACCATCAGAGAGTTCATACTGGGGAGAAACCATATGAATGTAATGAATGTGG
 GATAGCCTTTAGCCAAAAGTCACACCTTGTGTACATCAGAGAATCACACCGGAGAAAAACCATATGAA
 TGTATTCAGTGTGGCAAAGCCCATGGTCATAAACATGCCTCACTGACCATCTAAGAATTCATAGTGGAG
 AAAAGCCCATGAATGTGCTGAATGTGGAAAACCTTCAGACACAGCTCAAACCTTATTCAACATGTGAG
 ATCTCACACAGGTGAGAAGCCATATGAATGTAAGGAATGTGGAAAGTCTTTTAGGTATAAATCATCTCTT
 ACCGAACATGTGAGAACACATACAGGTGAATACCATATGAATGCAATGAATGTGAAAAGCCTTTAAGT
 ATAGCTCATCCCTTACTAAACACATGAGAATTCATACAGGTGAGAAAACCTTTGAATGTAATGAATGTGG
 GAAAGCTTTCAGCAAGAAGTCACACCTCATTATACATCAAAGAATCATACTAAGGAGAAACCTTATAAA
 TGTAATGAGTGTGAAAAGCCTTTGGACATAGCTCATCTTACTTACCATATGAGAATCATAACAGGTG
 AAAGTCCCTTTGAATGTAATCAATGTGGAAAGGCTTTAAACAAATGAAGGCCTTACTCAACATCAGAG
 AGTTCATACTGGAGAGAAACCGTATGAGTGAATGAATGTGGAAAGCCTTTAGCCAAAAGTCTCACCTC
 ATTTGATACATCAGAGAATCATACTGGGGAGAAACCTTATGAATGTAACGAATGTGAAAAGCCTTTAATG
 CAAAATCACAGCTTGTATACATCAGCGATCCACACTGGAGAAAAACCTATGAATGTAATGAATGTGG
 GAAAACCTTCAAACAAAATGCATCCCTAACCAACATGTGAAAACCTATTGAGAATAAATCTCATGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG220191 representing NM_003408
 Red=Cloning site Green=Tags(s)

MSVSSGVQILTKPETVDRRRAETTKEAGRPLEMAVSEPEASAAEWKQLDPAQSNLYNDVMLENYCNQAS
 MGCQAPKPDMSKLEKGEAPWLKGGKRPSSQGCPSKIARPKQKETDGKVVQKDDQLENIQKSQNKLLREVA
 VKKKTQAKKNGSDCGSLGKKNLHKKHVPSKRRLLKFESCGKILKQNLDPHSRNCVRRKSDAAKEHKK
 SFNHSLSDRKGGKQTGKKHEKLSHSSSDKCNKTKGKHDKLCCSSSHIKQDKIQTGEKHEKSPSLSSS
 TKHEKPQACVKPYECNQCGKVL SHKQGL IDHQRVHTGEKPYECNECGIAFSQKSHLVVHQRTHTEKPYE
 CIQCGKAHGKHALTDHLRIHTGEKPYECAECGKTFRHSSNLIQHVSHTGEKPYECKEKGKSFYNSL
 TEHVRTHTEIPYECNECGKAFKYSSSLTKHMRHTGEKPFECNECGKAFSKKSHLIIHQRTHTKEKPYK
 CNECGKAFGHSSSLTYHMRHTGESPFECNQCGKGFQIEGLTQHQRVHTGEKPYECNECGKAFSQQSHL
 IVHQRTHTEKPYECNECEKAFNAKSQLVIHQRSHTGEKPYECNECGKTFKQNASLTKHVKTHSEDKSHE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_003408

ORF Size: 1890 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_003408.3](#)

RefSeq Size: 2752 bp

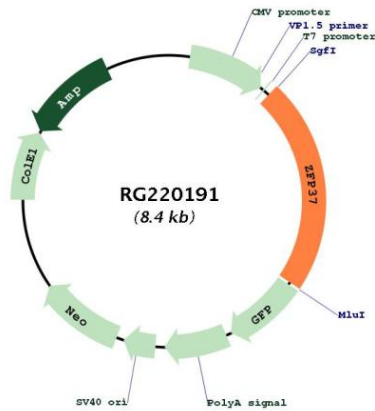
RefSeq ORF: 1893 bp

Locus ID: 7539

UniProt ID: [Q9Y6Q3](#)

Cytogenetics: 9q32
Domains: KRAB, zf-C2H2
Protein Families: Transcription Factors
Gene Summary: This gene encodes a transcription factor that belongs to a large family of zinc finger proteins. A similar protein in mouse is thought to play a role in regulating the structures of the nucleolus and centromere in neurons. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RG220191