

Product datasheet for **RG202966**

ZNF2 (NM_021088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF2 (NM_021088) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF2
Synonyms:	A1-5; Zfp661; ZNF661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202966 representing NM_021088 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGTCTCCGACCACAGATGCCAGGAATCAGTGACATTCGAAGACGTTGCCGTGGTTTTCA
CAGATGAAGAGTGGAGTCGTCTGGTCCCCATACAGAGGGACCTCTACAAGGAGGTGATGCTGGAGAACTA
TAACAGCATTGTGCATTGGGCCTCCAGTTCCTCAACCTGATGTGATTTCCAATTGAAGAGAGGGGAC
AAGCCGTGGATGGTAGATCTTCATGGGTCTGAGGAGAGAGAATGGCCAGAGAGTGTCTCTAGACTGGG
AACTAAGCCTGAGATTCAGATGCTTCAGACAAAAATCAGAAGGATCATTGAGGGAATGCCTTGAAG
GCAAAGTCCTCTGTGCCTAAATTTGAAGTTCATACACCAATGGCAGGATGGGAACAGAAAAGCAAAGC
CCTTCAGGGGAGACTCGTAAGAAATCCCTCTCCCGGGACAAAGGCTTGGCGGACGGTACGCCCTGTCCA
GGGAAATTCCTACTAAAGAGAGACACCAGGAATGCAGTACTGTGGGAAGACCTTTTTGACCACTCATC
CCTCACCCGCCATCAGAGGACTCACACTGGGGAGAAGCCCTACGACTGCCGCGAGTGTGGGAAAGCCTTC
AGCCACAGGAGCAGCCTCAGCAGACATCTGATGTCACACACTGGGAGAGCCCTACGAGTGCAGTGTGT
GCTCAAAAGCCTCTTTGACCGTTCGTCCCTAACTGTCCATCAGCGAATTCACACTGGAGAGAAACCTT
TCAGTGAACGAGTGTGGAAAAGCCTTTTTGACCGTTCATCCCTACTCGACACCAGAGAATTCACACT
GGAGAAAAGTCCTTATGAATGTCATCAGTGTGGAAAAGCCTTTAGCCAGAAAAGTATTCTTACTGCCATC
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TCTGAATAGACATCAGAAAAGCTCATGCTGGGGACCCTCGCTATCAGTGTAAACGAGTGTGGCAAAGCTTTC
TTTGACCGCTCATCCCTTACACAGCATCAGAAGATCCACACTGGAGACAAGCCACATGAATGCAGCGAAT
GCGGAAAAGCCTTTAGCCAGCGGTGCCGGCTCACGCGCATCAGCGTGTCCACACGGGAGAGAAGCCCTT
TGAATGCACTGTGTGGGAAAAGTTTTAGTTCAAAATCTTCTGTTATTCAACATCAACGGGTTACGCC
AAACAGGGAATAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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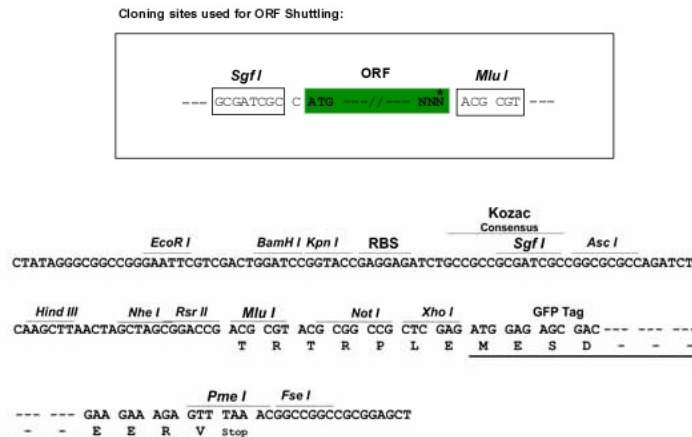
Protein Sequence: >RG202966 representing NM_021088
Red=Cloning site Green=Tags(s)

MAAVSPTRTRCQESVTFEDVAVVFTDEEWSRLVPIQRDL YKEVMLENYNSIVSLGLPVPQPDVIFQLKRGD
 KPWMVDLHGSEEREWPESVSLDWETKPEIHDASDKKSEGLRECLGRQSPLCPKFEVHTPNGRMGTEKQS
 PSGETRKKSLSRDKGLRRRSAL SREILTKERHQECSDCGKTFDFHSSLTRHQRTHTGEKPYDCRECGKAF
 SHRSSLSRHLSHTGESPYECSVCSKAFFDRSSLTVHQRIHTGEKPFQCNECGKAFFDRSSLTRHQRIHT
 GESPYECHQCGKAFSQKSILTRHQLIHTGRKPYECNECGKAFYGVSSLRHQAHAHAGDPRYQCNECGKAF
 FDRSSLTQHQKIHTGDKPHECSECGKAFSQRCLTRHQRVHTGEKPFECTVCGKVFSSKSSVIQHQRYYA
 KQGID

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021088

ORF Size: 1275 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_021088.2](#), [NP_066574.2](#)

RefSeq Size: 3951 bp

RefSeq ORF: 1278 bp

Locus ID: 7549

UniProt ID: [Q9BSG1](#)

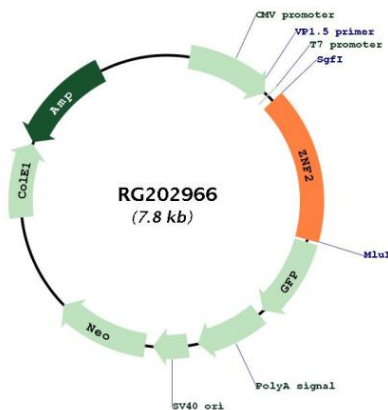
Cytogenetics: 2q11.1

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RG202966