

Product datasheet for **RG211927**

ZNF114 (NM_153608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF114
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG211927 representing NM_153608
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTC**CCAGGACTCGGTGACCTTCGCAGACGTGGCTGTGAACTTCACCAAAGAGGAGTGACCCCTGCTGG**
ACCCAGCTCAGAGGAATCTCTACAGAGACGTGATGCTGGAAAATCTAGGAACTTGGCATTATAGATTG
GGCAACTCCATGTAAAACCAAAGACGCAACCCCTCAGCCGGATATTCTTCTAAAAGAACATTTCTGAA
GCCAACAGAGTGTGTCTCAGGACATCAGTTC**CCAGCACTCCACATTAAGAGAAGACTGGAGATGCCCA**
AAACAGAGGAACACACAGGCAGGGGTGAATAATGTGAAGCCACCTGCAGTTGCCCTGAGAAAGATGA
ATCTCCTGTTAGCATTGTGAAGATCATGAAATGAGGAACCACTCTAAACCTACCTGCAGGCTTGTGCCT
TCACAGGGAGATTCCATAAGACAATGTATCCTAACACGTGACTCAAGTATTTCAAGTATAATCCTGTCT
TAAACGATAGTCAAAAAACACATGAAAACAACGAAGACGATGGAGTCTTGGGGTGGAACTTCAGTGGGT
TCCGTGTGGGAGAAAAACAGAGCTGAAATCAAGCACATGGACTGGCAGTCAGAACACTGTGCATCATATA
CGTGATGAAATTGATACGGGGCCAAACAGGCACCGGAATCCATTTGAAAAAGCTTCCGTGAAGACG
GATCCCTTAGGGCACACAACACTCATGGTCGAGAGAAAATGTATGATTTTACTCAGTGCGAGAACACCTC
CAGAAATAACTCAATTCACGCCATGCAGATGCAGTTGTATACCGCAGAGACAAACAAGAAGGATTGTCAA
ACTGGGGCAACCTCTGCCAACGCTCCAATTCGGTTACACAAGAGTCATTGCACTGGAGAGAAAACCC
ATAAATGCCCGAATGTGGGAGAGCCTTTTTTATCAGTCATTCTTATGAGACATATGAAAATTCACAC
TGGAGAGAAACCGTATGAATGTGGGAAATGTGGGAAAGCCTTTAGATATTCTTACACCTTAATAAACAT
TTAAGAAGCATGTTGTGCAGAAGAAGCCCTACGAATGTGAAGAATGTGGGAAAGTCATTCCGGAGTCTCT
CAAAATATACATATAAGGAGCCACACTGGAGAGAAACCTATAAATGAAGACATGTGGAAAAGACTT
TGCAAAGTCGTCAGGACTTAAAAACATCTTAAGACTCACAAGATGAGAAGCCCTGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



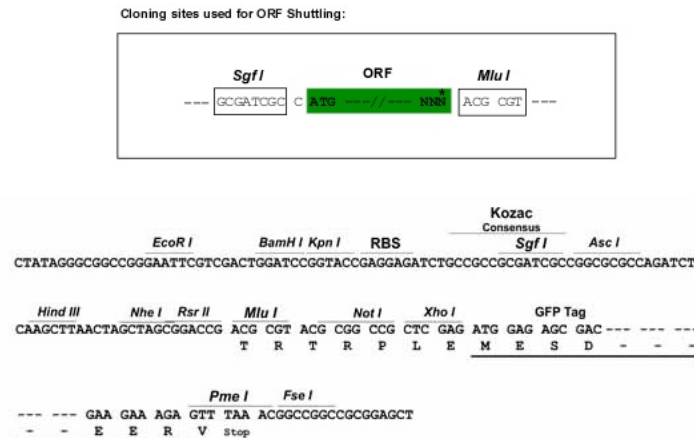
Protein Sequence: >RG211927 representing NM_153608
Red=Cloning site Green=Tags(s)

MSQDSVTFADVAVNFTKEEWTLDDPAQRNLYRDVMLENSRNLAFIGWATPCKTKDATPQPDILPKRTFPE
ANRVCLTSISSQHSSTLRDWRCPKTEEPHRQGVNNVKPPAVAEKDESPVSICEDHEMRNHSKPTCRLVP
SQGDSIRQCILTRDSSIFKYNPVLNDSQKTHENNEDDGLWNIQWVPCGRKTELKSSWTGSGQNTVHHI
RDEIDTGANRHQRNPFKAFREDGSLRAHNTHGREKMYDFTQCENSRNNSIHAMQMQLYTAETNKKDCQ
TGATSANAPNSGSHKSHCTGEKTHKCECGRAFFYQSFLMRHMKIHTGEKPYECGKCGKAFRYSHLNKH
LRKHVVQKKPYECECGKVIRESSKYTHIRSHTGEKPYKCKTCGKDFAKSSGLKKHLKTHKDEKPC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153608

ORF Size: 1251 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_153608.4](#)

RefSeq Size: 2206 bp

RefSeq ORF: 1254 bp

Locus ID: 163071

UniProt ID: [Q8NC26](#)

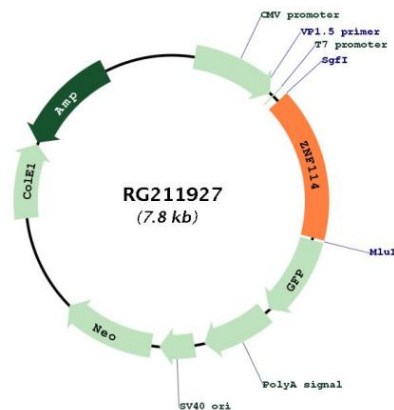
Cytogenetics: 19q13.33

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

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

Product images:



Circular map for RG211927