

Product datasheet for **RG207648**

ZNF100 (NM_173531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207648 representing NM_173531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGACCCGAGGTATGGAATGTGCTCTCAAGGGAGCAAGTGGATGCCCTGGGGCTGAGAGGAGTC
 TTCTGGTGCACTCTTATTTGAAAAGGGGCCATTGACGTTTAGGGATGTGCCATAGAAATCTCTCTGGA
 GGAGTGGCAATGCCTGGACAGTGCTCAGCAGGGTTTGTATAGGAAAGTGATGTTAGAGAACTACAGAAAC
 CTGGTCTTCTTGGCAGGTATTGCTCTCACTAAGCCAGACCTGATCACCTGTCTGGAGCAAGGAAAAGAGC
 CCTGGAATATAAGAGACATGAGATGGTAGCCAAACCCCGATTATATGTTCTCATTTTCCCAAGACCT
 TTGGGCAGAGCAGGACATTAAAGATTCTTTTCAAGAAGCGATTCTGAAAAAATATGGAAATATGGACAT
 GACAATTTACAGTTACAAAAAGGCTGTAAAAGTGTGGATGAGTGTAAGTGCACAAAGAACATGATAACA
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 TACATTTTCAAATTCAAACAGACATAAGATAAGACATACTAGAAAGAAACCTTTCAAATGTAATAATGT
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 CCGGTCTCACAATACTGCACATAAGATGATTCTACTGGAGAGAAACCTACAAATGTGAGGAATGT
 GCAAAAGCTTTTAAACCGATCTCAACCTTACTAAACATAAGATAACTCATCTGGAGAGAAATCTTACA
 AATGGGAAGATGTGTAAGACTTTAAACAGTCCCTAAGCCTTATTAACAAAATAACTCATACTGGAG
 AGAAACCTACAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

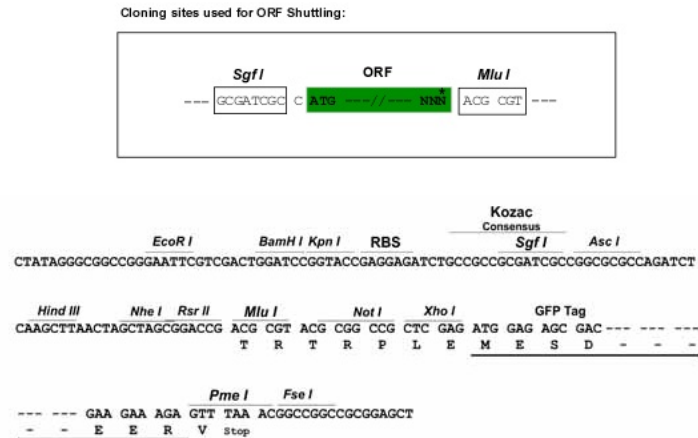
Protein Sequence: >RG207648 representing NM_173531
 Red=Cloning site Green=Tags(s)

MDDPRYGMCPKLGASGCPGAERSLLVQSYFEKGPLTFRDVAIEFSLEEWQCLDSAQQGLYRKVMLENYRN
 LVFLAGIALTKPDLITCLEQGKEPWNKRHEMVAKPPVICSHFPQDLWAEQDIKDSFQEAAILKKYGYGH
 DNLQLQKGCKSVDECKVHKEHDNKLNQCLITTQSNIFQCDPSAKVFHTFSNSNRHKIRHTRKKPFKCKC
 EKSFCMLLHLTQHKRFHITENSYQCKDCGAFNWFSTLTTHRRITHTGEKPYKCEECGAFNRSSHLTTHK
 IHTGEKPYRCEECGAFNRSSHLTTHKRIHTGVKPYKCTECGAFNRSSHLTTHRIHTGEKPYKCEEC
 GKAFNQSSLTTHKITHAGEKPYKCEECGAFYRFSYLIKHKTSHTGEKPYKCEECGKFNWSSALTKHK
 RIHTGEKPYKCEECGAFNESSNLTHKMIHTGEKPYKCEECGAFNRSSQLTAHKMIHTGEKPYKCEEC
 GKAFNRSSLTTHKITHGEKSYKWECEGKDFNQSLSLIKQNNNSYWRETLQM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173531

ORF Size: 1626 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.

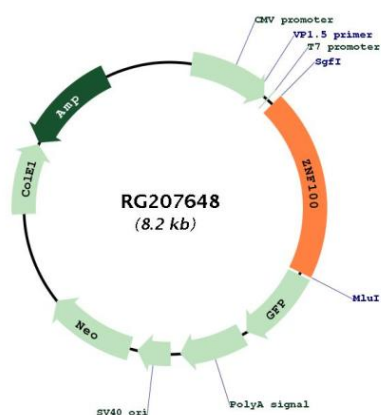
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173531.2](#)

RefSeq Size: 5668 bp

RefSeq ORF:	1629 bp
Locus ID:	163227
UniProt ID:	Q8IYN0
Cytogenetics:	19p12
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207648