

## Product datasheet for **RG220260**

### **ZNF648 (NM\_001009992) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | ZNF648 (NM_001009992) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                     |
| Symbol:                   | ZNF648                                       |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-AC-GFP (PS100010)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>RG220260 representing NM\_001009992  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGGCACAAGTGGACTCCCAGGACAGGTGGGGAGAGGCGTCTCCTCTCAGCAGCTTGACTGAGGAAGCTC  
 ATGACACCCAGATGCTGAGCATGAACCTTAGAGAGTGACGATGAAGATGGTGGGGAGGCCGAAAAAGAGGG  
 CACCGCTGACCCGGTGGCCTGTCCAAGGGCAGCTCCCCAGTAACACACGAAAAATCCTGACTTGCCATGG  
 CCCCATCCACTGGGCAAAGAGGAAGAGAAATTCTCTGACTCCTCCAGTGTGGGGCATGGGGCAGAAAC  
 CAGTGGAAATGTCTGGGAAAGCCAGTTGGAGCAGAGATGTGACAAAGATCAACGAGACCCAGGGTCCCC  
 GGGAGCAAGCAGAGCTCTGGGTTCCCTTCCAGTGGTCTCGCACACAAATTGTTAGGTGAGTCAACCT  
 CTTGGGGACCGACTACCTGCGGGTGATGATGGATACTCGGGGCAAAACAGGACGAGTCTTGGATGTCC  
 CACCCAGCTTCCCAGCAATGAAAGTATCTCTGTGCGCAGAAAGTGTAGACAGTCCGACGGGAACTC  
 TTCTCTGTGTGTTTCCCGAGGCGGGGAGCAACTGGGACCTTCCACGCAAGAGACACATACACAGCC  
 CAGGCGTCGGCCACCCAGCCAGCTGGCTGCCGCGTCTGGCAAAAGCGCGGAACAGCAGGAAAGTAC  
 AGAACCAGGCGGGCGCGCGAGGGCGGAGAGGCTGAGGCGCGTCCCTACAGGTGCTGCGGGCGGGCG  
 GGCTTTTCAAGCCAGCAAGCCGCTGAGCCCGCGGAGACGCGCGGCGGCCGCAAGCGCTACGCG  
 TGCGAGCTATGCGGAAGGCCTACTCCACCGCGGCACACTCCAGCAGCAGGCGCTGCACACGGGCG  
 AGCGGCCCTACAGTGCTCCTTCTGCGACAAGGCCTACACCTGGTCTCCGACACCGGAAGCACATCCG  
 CACCCACACAGGCGAGAAACCTACCCGTGTCCAGACTGCGGGAAGGCCTTCGTGCGCTCTTCGGACCTG  
 CGAAACACAGCGCAACATGCACAGCAACAATAAGCCCTTCCCGTGTCCGAGTGGGCGCTGACCTTCA  
 ACAAGCGCTGTGCTGCTGCGCCACGACGACGACCTGGGCGCCAAGCCCTTCCGCTGCCCGCCTG  
 CGACCGGAGTTGCTGTGGCCAGCCGATGGTGGAGCACCAGCGCGTGCCTCGGGCAGCGGCCCTTC  
 CCTGCCCCACCTGCGGCAAGTGCTTACCAAGTCTCCAATCTGTCCGAGCACCAGAGCTGCACACCG  
 GCCAGAGGCCCTTCAAGTGCGTGAAGTGGCGCTGGCCTTTCGCGCAGCCCTCGCGCTCGTGGCCACCA  
 GCGCATCCACACTGGCGAGAGGCCCTTCTTGCACGAGTGTGGCCAGGCCCTTTCGCCCTCTTCGACC  
 CTGAAGCGGCACCAACAGATCCACTCCGGGAGAGGGATTCTCTGTGCCGAGTGGCGAGGCCCTTCC  
 GCATTGCCTCTGAGTTGGCCAGCACATACGAATGCACAACGAGAGAGGCCCTACAGTGTGAGGACTG  
 CGGCCAGGCCCTACAGGTCCAATCACCTCCAACGACACCGAGCCAAGCAGGCACCTGCAAGAAGGAG  
 CCCATCCCTTCTCCTCTGACGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

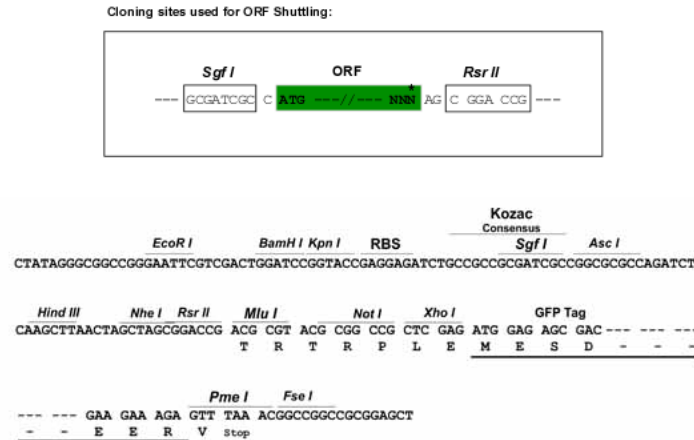
>RG220260 representing NM\_001009992  
 Red=Cloning site Green=Tags(s)

MAQVDSQDRWGEASPLSSLTEEAHDTQMLSMNLESDDDEGGGEAEKEGTADPVACPRGSSPVTHENPDLPW  
 PHPLGKEEEKFSDSSSAGMGQKPVEMSGKASWSRDVTKINETQSGPGASRALGSLPSGLAHKLLGQMGP  
 LGDRLPAGDDGYSGANQDAVLDPSPFSPNGKYLCAHKSVDTSAGNSSLLCFPRPGSNWDLPTQETHTPA  
 QASATPASLAAAVLAKARNSRKVNQAGRREGGEAEARPYRCLRGGRAFGKPSKPLSPAETRGGAAKRYA  
 CELCGKAYSHRGTQQHRLHTGERPYQCSFCDKAYTWSSDHRKHIRTHTGEKPYPCPDGKAFVRSDDL  
 RKHQHNMHSNNKPFPCSEGLTFNKPLSLLRHQRTHLGAKEPFRCPACDREFAVASRMVEHQRVHSGERPF  
 PCPTCGKCFKSSNLSEHQTLHTGQRPFKADCQVAFAPQPSRLVRHQRIHTGERPFPCTQCGQAFARSST  
 LKRHQIHSGEKGFLCAECGRAFRIASELAQHIRMHNGERPYQCEDCGQAFTRSNHLQRHRAKHGTCKKE  
 PIPSSSDE

**SGP**TRTRRLE – GFP Tag – V

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_001009992

**ORF Size:** 1704 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\\_001009992.1](#), [NP\\_001009992.1](#)

**RefSeq Size:** 3649 bp

**RefSeq ORF:** 1707 bp

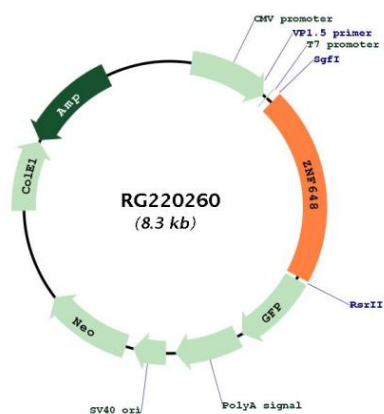
**Locus ID:** 127665

**UniProt ID:** [Q5T619](#)

**Cytogenetics:** 1q25.3

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

**Product images:**



Circular map for RG220260