

Product datasheet for **RG200813**

Zinc finger protein 668 (ZNF668) (NM_024706) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zinc finger protein 668
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG200813 representing NM_024706
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAGTGGAGGTGCAGAGGCCCGTCCCCAGCCCCGGTACAAGCGCTCGGGCCGCCGTACAAGT
 GCCTGTCTGTACCAAGACATTTCCAAACGCGCCAGGGCAGCGGCCACGCTGCCACACATGGGCCGGC
 AGACTGCTCTGAAGAGGTGGCCGAGGTGAAGCCAAAGCCAGAGACAGAAGCTAAGGCAGAGGAAGCCAGT
 GGGGAGAAGGTGTGAGGCTCCGCGGCCAAGCCTAGGCCCTATGCGTGTCCGTATGCCCAAGGCCCTACA
 AGAGGCGACCCGAGCTGCGCAGCCACGGGCGCAGCCACAGGGGAGAAGCCCTTTCCGTGCCCGAGTG
 CGGCCGCCGCTTCAATGACGCCGTGTGCTGCGCGTGCACTGGCCTCGCAGCTGGCGAAGTGCCTTTC
 CGCTGTGCGCACTGCCGAAGGCCTATGGCGCGCTCTCAAGCTCAAGATCCACCAGCGTGGCCACACAG
 GCGAGCGGCCCTACGCCTGCGCCGACTGCGGCAAGAGCTTTGCTGACCCTTCAGTGTTCCGCAAGCACCG
 GCGTACTACGCTGGCCTGCGGCCCTACAGCTGTGAGCGTTGCGGCAAGCCTATGCGGAGCTCAAGGAC
 CTCCGCAACCATGAGCGTCCACACCGCGGAGCGCCCTTCTCTGCTCCGAGTGCAGGAAGAGCTTCT
 CCCGCTCATCTCGCTACGTGCCACCAGCGCATCCACGCGGCACAGAAGCCCTACCGCTGCCCGGCCCTG
 CGGCAAGGGCTTACGCAAGCTCAGTTCTTACCAGAGCCAGAGCGCACGCACTCGGGGAGAAGCCCTTC
 CTGTGCCCGCGTGGGCCGCTATGTTCTCCGACCCCTCGAGCTTCCGTGCCACAGCGCGCCATGAAG
 AGGTGAAGCCATACCACTGCGAGAAGTGGGCAAGGACTTCCGGCAGCCGCGGACCTGGCCATGCACCG
 GCGTGTGCACAGGCGACCGGCCGTTCAAGTGCCTGCAATGTGACAAGACGTTCTGTGGCGTCTGGGAC
 CTCAAGCGGCACGCGTGGTGCCTCTGGCAGCGGCCCTTCCGCTGTGAGGAGTGGGGGAGCGCTTCG
 CCGAGCGTGCAGCCTACGAAGCATAGCCGGTGCCTCGGGGAGCGCCCTTCCACTGTAACGCATG
 TGGGAAATCCTTTGTGGTGTGCTCGAGCCTGAGGAAGCACGAGCGGACCATCGAAGCAGTGAGGCGCG
 GGTGTGCCCTGCACAGGAGCTGGTGGTGGGTTGGCGCTGCCTGTGGGCGTGGCAGGTGAGAGTTTCA
 CCGCCCCGCGCAGAGGGCGGGGCTGGGGACCTCCAGCAGGGCTGTAGGGCTGCCCGCGAGTCAGG
 TGGTGTGATGGCCACACAGTGGCAGGTGGTGGCATGACGGTGGAGCATGTGGAATGCCAAGATGCTGGT
 GTCCGGGAGGCTCCTGGTCCCTTGAAGGGGCGAGCGAGGCGGGGGGTGAGGAGGCTGACGAGAAGCCCC
 CCCAGTTTGTGTGCGGAGAGTGCAAGGAGACCTTCTCCACAATGACGCTGCTGCGTGGCAGCAGCGCTC
 ACACCCGGAGCTCCGGCCCTTCCCCTGCACCCAGTGGGCAAGAGCTTCTCTGACCGGGCTGGGCTGCGC
 AAACACAGCCGCACTACAGCTCAGTGGCCCCCTACACCTGCCCCATTGTCCCAAGGCCTTCTTGAGTG
 CCAGCGACTTGGCAAGCATGAACGCACCCACCTGTGCCCATGGGACCCCCACACCCCTGGAGCCCT
 GGTGGCTTTGCTAGGAATGCCTGAAGAGGGGCCGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200813 representing NM_024706
 Red=Cloning site Green=Tags(s)

MEVEAAEARSPAPGYKRSRRYKLSCTKTFPNAPRAARHAATHGPADCSEEAQVKKPKPTEAKAEAS
 GEKVSGSAKPRPYACPLCPKAYKTAPELRSHGRSHTGEKPFPCPEGRRFMQPVCLRVHLASHAGELPF
 RCHACPKAYGALSCLKIHQRGHTGERPYACADCGKSFADPSVFRKHRRTHAGLRPYSCERCCKAYAEKLD
 LRNHERSHTGERPFLCSECGKSFSSSSLTCHQRIHAAQKPYRCPACGKFTQLSSYQSHERTHSGEKPF
 LCPRCGRMFSDPSSFRRHQRAHEEVKPYHCEKCGKDFRQPADLAMHRRVHTGDRPFKCLQCDKTFVASWD
 LKRHALVHSGQRPFRCEECGRAFAERASLTKHSRVHSGERPFCNACGKSFVSSSLRKHERTHRSSEAA
 GVPPAQELVVGALPVGAVAGESSAAPAAGAGLGDPPAGLLGLPPESGGVMATQVQVGMTEVHEVCQDAG
 VREAPGPLEGAGEAGGEEADEKPPQFVCRECKETFSTMTLLRRHERSHPELRPFCTQCGKSFSDRAGLR
 KHSRTHSSVRPYTCHPCPKAFLSASDLRKHERTHPVPMGTPLEPLVALLGMPEEGPA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024706

ORF Size: 1857 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.

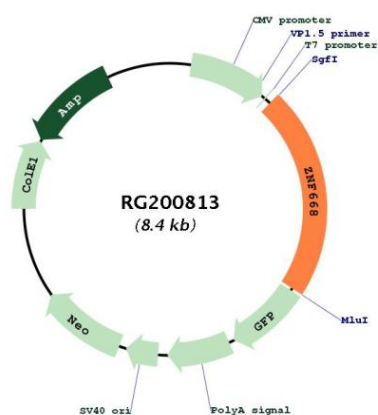
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024706.3](#), [NP_078982.2](#)

RefSeq Size: 2649 bp

RefSeq ORF:	1860 bp
Locus ID:	79759
UniProt ID:	Q96K58
Cytogenetics:	16p11.2
Domains:	zf-C2H2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200813