

Product datasheet for **RG230356**

Zinc finger protein 668 (ZNF668) (NM_001172670) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zinc finger protein 668 (ZNF668) (NM_001172670) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zinc finger protein 668
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230356 representing NM_001172670
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGTGGAGGCTGCAGAGGCCCGTCCCCAGCCCCGGCTACAAGCGCTCGGGCCCGCTACAAGT
 GCCTGTCTGTACCAAGACATTTCCAAACGCGCCAGGGCAGCGGCCACGCTGCCACACATGGGCCGGC
 AGACTGCTCTGAAGAGGTGGCCGAGGTGAAGCCAAAGCCAGAGACAGAAGCTAAGGCAGAGGAAGCCAGT
 GGGGAGAAGGTGTGAGGCTCCGCGGCCAAGCCTAGGCCCTATGCGTGTCCGCTATGCCCAAGGCCTACA
 AGACGGCACCCGAGCTGCGCAGCCACGGGCGCAGCCACACGGGGAGAAGCCCTTCCGTGCCCGAGTG
 CGGCCCGCGTTCATGCAGCCGTGTGCCTGCGCGTGCACCTGGCCTCGCACGCTGGCGAACTGCCCTTC
 CGTGTGCGCACTGCCGAAGGCCTATGGCGCGCTCTCCAAGCTCAAGATCCACCAGCGTGGCCACACAG
 GCGAGCGGCCTTACGCCGCGCCGACTGCGGCAAGAGCTTTGCTGACCCTTCAGTGTCCGCAAGCACCG
 GCGTACTCAGCTGGCCTGCGGCCCTACAGCTGTGAGCGTTGCGGCAAAGCCTATGCGGAGCTCAAGGAC
 CTCGCAACCATGAGCGGTCCCACACCGCGAGCGCCCTTCTCTGCTCCGAGTGCAGGGAAGAGCTTCT
 CCCGCTCATCCTCGCTCAGTGCACCGCAGCGCATCCACGCGGCACAGAAGCCCTACCGTGCCCGGCCGTG
 CGGCAAGGGCTTACGCAGCTCAGTTTCTACCAGAGCCACGAGCGCACGCACTCGGGGAGAAGCCCTTC
 CTGTGCCCGCGCTGCGGCCGATGTTTCTCCGACCCTCGAGCTTCCGTGCCACCGAGCGGCCATGAAG
 GGGTGAAGCCATACCACTGCGAGAAGTGCAGCAAGGACTTCCGGCAGCCGGCGGACTGGCCATGCACCG
 GCGTGTGCACACAGGCGACCGGCCGTTCAAGTGCCTGCAATGTGACAAGACGTTTCGTGGCGTCTGGGAC
 CTCGAGCGTGCAGCCTCACGAAGCATAGCCGGTGCACCTCGGGGAGCGCCCTTCCACTGTAACGCATG
 TGGGAAATCCTTTGTGGTGTGTCGAGCCTGAGGAAGCAGGAGCGGACCCATCGAAGCAGTGAAGCCGCG
 GGTGTGCCCTGCACAGGAGCTGGTGGTGGGGTTGGCGTGCCTGTGGCGTGGCAGGTGAGAGTTCAG
 CCGCCCCGCGCAGGGGCGGGCTGGGGACCCTCCAGCAGGGCTGCTAGGGTGCSCCGGAGTCAAG
 TGGTGTGATGGCCACACAGTGGCAGGTGGTGGGCATGACGGTGGAGCATGTGGAATGCCAAGATGCTGGT
 GTCCGGGAGGCTCCTGGTCCCTTGAAGGGCAGGCGAGGCGGGGGTGGAGGAGTGCAGAGAAGCCCC
 CCCAGTTTGTGTGCCGAGAGTGAAGGAGACCTTCTCCACAATGACGCTGCTGCGTGGCAGCAGCGCTC
 ACACCCGAGCTCCGGCCCTCCCTGCACCCAGTGCAGCAAGAGCTTCTGACCGGGTGGGCTGCGC
 AAACACAGCCGACTCACAGCTCAGTGCAGCCCTACACCTGCCCCATTGTCCAAAGCCCTCTTGAGTG
 CCAGCGACTTGCAGCAAGCATGAACGCACCCACCCTGTGCCATGGGGACCCACACCCCTGGAGCCCT
 GGTGGCTTGTAGGAATGCCTGAAGAGGGGCCGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230356 representing NM_001172670
 Red=Cloning site Green=Tags(s)

MEVEAAEARSPAPGYKRSRRYKLSCTKTFPNAPRAARHAATHGPADCSEEVAVKPKPETEAKAEAS
 GEKVSLSAAKPRPYACPLCPKAYKTAPELRSHGRSHTGEKPFPCPECGRRFMQPVCLRVHLASHAGELPF
 RCAHCPKAYGALSKLKIHQRGHTGERPYACADCGKSFADPSVFRKHRRTHAGLRPYSCERCAGKAYELKD
 LRNHRSHTGERPFLCSECGKSFSSSLTCHQRIHAAQKPYRCPACGKGFQLSSYQSHERTHSKEKPF
 LCPRCGRMFSDFSSFRRHQRAHEGVKPYHCEKCGKDFRQPADLAMHRRVHTGDRPFKCLQCDKTFVASWD
 LKRHALVHSGQRPFRCEECGRAFAERASLTKHSRVHSGERPFHCNACGKSFVSSSLRKHHERTHRSSEA
 GVPPAQELVVGLALPVGVAGESSAAPAAGAGLGDPPAGLLGLPPESSGVMATQWQVVGMTVEHVQCQDAG
 VREAPPLLEGAGEAGGEEADEKPPQFVCRECKETFSTMTLLRRHERSHPELRPFCTQCGKSFSDRAGLR
 KHSRTHSSVRPYTCPHCPAFLSASDLRKHHERTHPVMGTPPTLEPLVALLGMPEEGPA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001172670

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.

RefSeq: [NM_001172670.1](#), [NP_001166141.1](#)

RefSeq Size: 2396 bp

RefSeq ORF: 1860 bp

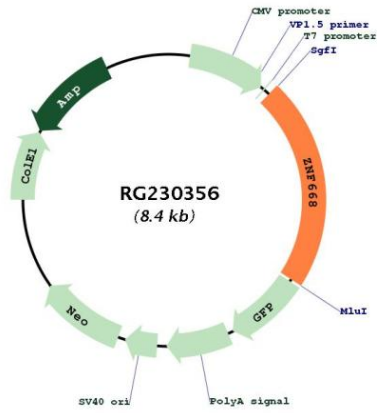
Locus ID: 79759

UniProt ID: [Q96K58](#)

Cytogenetics: 16p11.2

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

Product images:



Circular map for RG230356