

## Product datasheet for **RG229030**

### ZNF268 (NM\_001165882) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF268 (NM_001165882) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF268
Synonyms:	HZF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG229030 representing NM\_001165882  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGTGTTTGTGGATTTTACCTGGGAGGAGTGGCAGCTGCTAGACCCAGCACAGAAGTGCCTGTACA  
 GGAGTGTGATGTTGGAGAACTATAGCAACCTGGTGTCCCTAGGGTACCAACACACCAAACCTGATATCAT  
 CTTCAAGTTGGAACAAGGAGAAGAGCTGTGTATGGTGCAGGCCCAAGTCCAAATCAGACCTGTCCAAAC  
 ACAGTCTGAAAAATTGATGATCTTATGGATTGGCATCAGGAAAAATAAGACAAGCTGGGAAGTACGGCAA  
 AAAGCTTTGAATGCACTACATTTGGAAAATATGTCTTCTTAGTACAAAGTATCTTTCAAGCAAAAAACC  
 TCATAAATGTGGCAGCATGGAAAGAGTTTGAATATATAGATTTCACTAGTGATTATGCTAGAAAATAAT  
 CCTAATGGGTTTCAGGTACATGGAAAATCATTCTCCATTCTAACATGAGCAAAGTGTATTGGAATAA  
 AATACTGTGAAAGTATTGAATCTGGAAAACCGTCAATAAGAAAATCGCAACTTATGTGCCAACAAATGTA  
 TATGGGCGAAAAACCTTTGGATGCAGCTGTTGTGAGAAAGCCTTCAGCAGCAAGTCATACCTTCTAGTG  
 CATCAGCAAACCTCATGCCGAAGAGAAAACCTATGGTTGAATGAATGTGGGAAAGACTTCAGTAGTAAAT  
 CATACTCATTGTACATCAGAGAATTCATACAGGAGAGAAAACATGAATGCAGTGAATGCAGGAAAAAC  
 ATTCAGTTTCCATTACAGCTTGTATACATCAGAGAATTCACACAGGTGAGAATCCCTATGAGTGTCTGT  
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 CACCAGAGAACTCATGCAGGAGAGAAAGCCTTATGAATGCACCGACTGTGGAAAGGCTTTTGGTTAAAGT  
 CACAGCTTATTATACACCAGAGAACTCATACAGGGGAGAAAACCTTGAATGTAGTGAGTGCAGAAAAGC  
 CTTTAAATACAAAGTCAAACCTGATTGTACATCAGAGAACTCATACAGGAGAGAAAACCTATAGTTGTAAT  
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 GAATGTGGGAAAGCCTTTGTTGGAAGTACAGCTCATTATGCATCAGAGAACTCATGTAGATGACAAAAC  
 AT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG229030 representing NM\_001165882  
 Red=Cloning site Green=Tags(s)

MDVFVDFTWEEWQLLDPAQKCLYRSVMLENYSNLVSLGYQHTKPDIIFKLEQGEELCMVQAQVNPQTCPN  
 TVVKIDDLMDWHQENKDKLGSTAKSFECTTFGKLCLLSTKYL SRQKPHKCGTHGKSLKYIDFTSDYARNN  
 PNGFQVHGKSFHSHKHEQTVIGIKYCESIESGKTVNKKSQLMCQQMYMGEKPFGCSCCEKAFSSKSYLLV  
 HQTTHAEKPYGCNECGKDFSSKSYLIVHQRIHTGEKLHECSECRKTF SFHSQ LVIHQRIHTGENPYECC  
 ECGKVF SRKDQLVSHQKTHSGQKPYVCNECGKAFGLKSQLIIHERIHTGEKPYECNECQKAFNTKSNLMV  
 HQRTHTGEKPYVCSDCGKAFTFKSQLIVHQGIHTGVKPYGCIQCCKGKFSLSQ LVIHQRSHTGMKPYVCN  
 ECGKAFRSKSYLIIHTRHTGEKLHECNCGKAFSFKSQLIIHQRIHTGENPYECHECGKAFSRKYQLIS  
 HQRTHAGEKPYECTDCGKAFGLKSQLIIHQRTHTGEKPFECSECKAFNTKSNLIVHQRTHTGEKPYSCN  
 ECGKAFTFKSQLIVHKGVHTGVKPYGCSQCAKTFSLKSQLIVHQRSHTGVKPYGCSECGKAFRSKSYLII  
 HMRHTHTGEKPHCRECGKSFNSQLIVHQRIHTGENPYECSECGKAFNRKDQLISHQRTHAGEKPYGCS  
 ECGKAFSSKSYLIIHMRTHSGEKPYECNECGKAFIWKSLIVHERTHAGVNPYKCSQCEKFSGLRLLV  
 HORMHTREKPYECSECGKAFIRNSQLIVHQRTHSGEKPYGCNECGKTF SQKSILSAHQRTHTGEKPCCKT  
 ECGKAF CWKSQLIMHQRT HVDDKH

TRTRPLE - GFP Tag - V

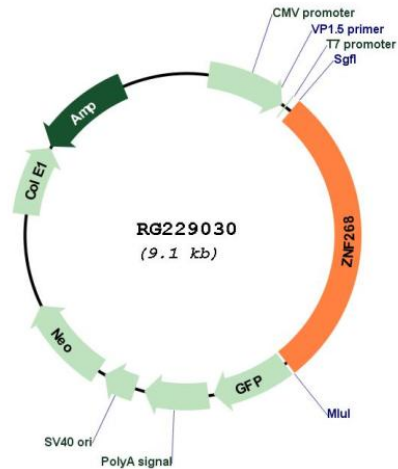
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001165882

**ORF Size:** 2592 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\\_001165882.3](#)

**RefSeq Size:** 5639 bp

**RefSeq ORF:** 2595 bp

**Locus ID:** 10795

**Cytogenetics:** 12q24.33

**Protein Families:** Transcription Factors

**Gene Summary:** Isoform 1: Acts as a transcriptional repressor. Inhibits erythroid differentiation and tumor cell proliferation. Plays a role during ovarian cancer development and progression.  
[UniProtKB/Swiss-Prot Function]