

## Product datasheet for **RG200399**

### ZNF76 (NM\_003427) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF76 (NM_003427) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF76
Synonyms:	D6S229E; Zfp523; ZNF523
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG200399 representing NM\_003427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGAGCTTGGGGCTGCACACGGTGACCCTTAGTGATGGGACAACAGCCTACGTCAGCAAGCTGTCA  
 AAGGAGAGAAGCTTCTTGAAGGGCAGGTGATCCAGCTCGAGGATGGGACCACCGCATACATTCACCAGGT  
 GACGGTACAGAAAGAAGCTCTCTCTTTGAGGATGGTCAGCCTGTGCAGCTGGAAGATGGCAGCATGGCT  
 TACATACACCGCACACCCAGAGAAGGCTATGACCCACGACCCTGGAAGCCGTCCTGGAAGATGGCT  
 CCACTGCCTACATTCACCACCCTGTGGCTGTGCCATCGGAGAGCACCATCCTGGCCGTACAGACAGAGGT  
 GGGCTTGGAGGACCTGGCAGCAGAGGATGATGAGGGCTTCAGTGCAGACGCAGTGGTGGCCCTGGAGCAG  
 TATGCCAGCAAGTTCTCATGACAGCCAGATCCCCGTATGAAAAGGGCAGCAAGTTGGAGACAGAG  
 CATTCCGCTGTGGCTACAAGGGCTGTGGCGTCTCTACACCACCGCTCATCACTAAAGGTGCATGAACG  
 AGCTCATACAGGTGACCGTCCATACAGATGTGACTTCCCAGCTGTGAAAGGCCCTTGGCCACAGGCTAT  
 GGAAGTGAAGGCCACGTTTCGTACCCACACTGGTGAGAAACCATACAAGTGCAGAGGAGCTGTGCAGCA  
 AGGCCTTCAAGACCTCAGGAGACCTGCAGAAGCATGTCCGTACCCACACTGGTGAACGCCGTTCCAGTG  
 CCCTTTGAGGGCTGTGGCCGCTCTTACCACATCTAACATCCGCAAGGTACATGTGCGCACCCACACA  
 GGCGAGAGGCCCTACACCTGCCCGGAGCCCACTGTGGCCGCGGCTTACCAGCGCCACCAACTATAAGA  
 ATCACGTGCGCATCCACACAGGGGAGAAGCCATACGTTTGACGGTGCCAGGCTGCGGGAACCGTTCAC  
 CGAGTACTCGAGCTTGTATAAGCACACGTGGTGACACACACTGCAAGCCCTACACCTGCAGCACCTGC  
 GGCAAGACCTACCGGCAGACCTCCACCTTGCCATGCACAAGCGCAGTCCCATGGCGAGCTGGAGGCCA  
 CGGAGGAGAGTGAAGCCCTCTATGAGCAGCAGCAACTTGAGGCCGCTCTGCAGCCGAGGAGGAGTCC  
 GCCACCAACGACCCCGGATAGCTTACCTTTCGGAGGTGAAGGAAGAGAGAGATGACATCCCAGCCAG  
 GTGGCGATGGTGACTGAAGAAGATGGGGCCCCCAGGTGGCTCTGATCACTCAGGATGGTCCCCAGCAGG  
 TCAGCCTGTCCCCGAAGACCTGCAGGCCCTGGGGAGTGCCATCAGTATGGTCAACCAGCACGGCAGCAC  
 CACCCTCACCATCCCAGTCTGATGCCGACCTGGCCACATCTGGCACACATACAGTACCATGGTCAGC  
 GCCGATGGCACCCAGACGACCCGTCACAATCATACCTCTGGGGCTGTGGTGGCTGAGGACTCAAGTG  
 TAGCATCTCTTCGTCATCAACAGGTGGCACTGTGGCCACAGCCAACGGAACGCACATTGCAGTGCAGCT  
 GGAGGAACAGCAGACCTTAGAGGAGGCCATCAATGTGGCCACTGCGGCCATGCAGCAAGGGGCTGTGACC  
 CTGGAGACAACAGTGTCGGAGAGTGGCTGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG200399 representing NM\_003427  
 Red=Cloning site Green=Tags(s)

MESLGLHTVTLSDGTTAYVQAVKGEKLLLEGQVIQLEDGTTAYIHQVTVQKEALSFEDGQPVQLEDGSM  
 YIHRTPREGYDPSTLEAVQLEDGSTAYIHHPVAVPSESTILAVQTEVGLEDLAAEDDEGF SADAVVALEQ  
 YASKVLHDSQIPRNGKQQVGDRAFRGKYGKGRLYTTAHLKVERAHTGDRPYRCDPSCGKAFATGY  
 GLKSHVRTHTEKPYKPEELCSKAFKTSGLDLQKHVRTHTERPFQCPFEGCGRSFTTSNIRKVHVRTH  
 GERPYTCPEPHCGRGFTSATNYKNHRIHTGEKPYVCTVPGCGKRFTEYSSLYKHHVVHHTCKPYTCSTC  
 GKTYRQTSTLAMHKRSAHGELEATEESEQUALYEQQQLEAASAAEESPPPKRPRIAYLSEVKEERDDIPAQ  
 VAMVTEEDGAPQVALITQDGAQQVSLSPEDLQALGSAISMVTHGSTTLTIPSPADLATSGTHTVTMVS  
 ADGTQTQPVTTITSGAVVAEDSSVASLRHQVALLATANGTHIAVQLEEQQTLEEAINVATAAMQQGAVT  
 LETTVSESGC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_003427

**ORF Size:** 1710 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\\_003427.3](#), [NP\\_003418.2](#)

**RefSeq Size:** 2671 bp

**RefSeq ORF:** 1713 bp

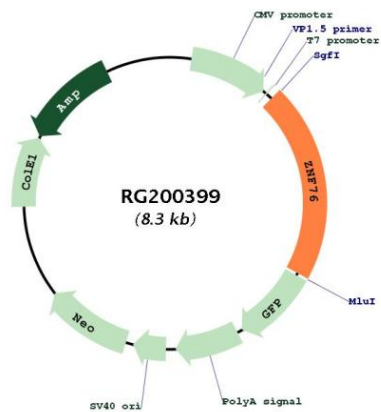
**Locus ID:** 7629

**UniProt ID:** [P36508](#)

**Cytogenetics:** 6p21.31

Domains: zf-C2H2  
 Protein Families: Transcription Factors  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG200399