

Product datasheet for **RG222191**

ZNF276 (NM_152287) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF276 (NM_152287) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF276
Synonyms:	CENP-Z; CENPZ; ZADT; ZFP276; ZNF477
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222191 representing NM_152287
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTCCTGTCGCTCTGCCACGGGAAGTTTTCTCGAGAAGCCTGCGCAGCATCTCCGAGAGGGCGC
 CTGGAGCGAGCATGGAGAGGCCATCCGCAGAGGAGCGCTGCTCGTACGGGACTTCCAGCCCTGCTTGG
 TGTGGCTGTCGCCAGGACCCACCTTGTCTCCGTTTGTCTGCAAGAGCTGCCACGCCAGTTCTACCA
 TGCCACAGCCTTCTCAAGTCTTCTGTCAGAGGGTCAACGCCTCCCCGGTGGTCCGCCGGAAGCCTTGTG
 CAAAGGTCGGTCCCAGCCCCAACAGGGGCAGAGGGAGCGTGTCTGGTGGATCTGATCACATCCAG
 CCCCCAGTGCCTGCACGGCTTGGTGGGGTGGTGCATGGACATGCGGCCAGCTGCGGGGCCCTGCCCCAC
 CTTCAGAGGACTGTCTCCGAGTACTGCGGCGTCATCCAGGTCGTGTGGGGCTGCGACCAGGGCCACG
 ACTACACCATGGATACCAGCTCCAGCTGCAAGGCCTTCTTGTGGACAGTGCCTGGCAGTCAAGTGGCC
 ACGGGACAAAGAGACGGGCCACGGCTGCCCCAGCACCAGGGTGAACCCTGGGGATGCCCTCAGACC
 TCCAGGGTAGAGGGACAGGGACCCAGTTGGGGCTGAGACCAAGACCCTGCCACAGCGGATGTGGCCC
 AGCCTCCTTCGGACAGCGACGCGGTGGGGCCAGGTGGGGCTTCCACCTCAGCCAAAGCCTGCCCTTTG
 CAGGGCCCCAGGGCAGTTGGGTGAGAAGCAGCTTCCATCTTCAACCTCGGATGATCGGGTAAAAGACGAG
 TTCAGTGACCTTCTGAGGGAGACGCTTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
 CGGACGAGTCTTTGAGCCTTACCCAGAAAGGAAAGTCTCTGGTAAAGAGTGAAGTGAAGTGAAGTGAAGTGAAG
 GAAGTCTGAAGAACAAGAATTCGGAAGAAGCCGGGACCCAGCCGGATGGAAGAAGAAGTTCGTTGT
 GAGAGGGAGGAGCTTCCACCATCCACAAGTGTCTTACCAGGCTGCACGGCCGTGTACCGAGGGCGCTG
 ACGGCTGAAGAAGCACATCAAGGAGCACACGAGGAGTCCGGGAGCGGCCCTGCCCCACCCTGCCCTG
 CAACAAGGTTTTTTCATGATCGACCGCTACCTGCAGCGCCACGTGAAGCTCATCCACACAGAGGTGCGGAAC
 TATATCTGTGACGAATGTGGACAAACCTTCAAGCAGCGGAAGCACCTTCTCGTCCACCAATGCGACATT
 CGGGAGCCAAGCCTTTCAGTGTGAGGTCTGTGGGTTCCAGTGCAGGCAGCGGGCATCCCTCAAGTACCA
 CATGACCAAAACAAGGCTGAGACTGAGCTGGACTTTGCCTGTGACCAGTGTGGCCGGCGGTTTGAAGA
 GCCCAACCTCAATGTACACATGTCCATGGTGCACCCGCTGACACAGACCCAGGACAAGGCCCTGCCCC
 TGGAGGCGGAACCACACCTGGGCCACCGACCCCTCTGTGACCACAGAGGGCCAGGCGGTGAAGCCCGA
 ACCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222191 representing NM_152287
 Red=Cloning site Green=Tags(s)

MGHCRLCHGKFSSRSLRSISERAPGASMERPSAEERVLVRDFQRLLGVAVRQDPTLSPFVCKSCHAQFYQ
 CHSLLKSFLLQRVNASPAGRRKPCAKVGAQPPTGAEEGACLVDLITSSPQCLHGLVGWVHGHAASGALPH
 LQRTLSSSEYCGVIQVWVWGDQGHDTMDTSSSCKAFLLDSALAVKWPRDKETAPRLPQHRGWNPGDAPQT
 SQGRGTGTPVGAETKLPSTDVAQPPSDSDAVGPRSGFPPQPSLPLCRAPGQLGEKQLPSSTSDDRVKDE
 FSDLSEGDVLSDEDNKKQNAQSSDESFEFYPYPERKVSQKSEKSEAKKSEEPRIKPKGPKPGWKKLRC
 EREELPTIHKCPYQGCTAVYRGADGMKKHIKEHHEEVRERPCPHPGCNKVF MIDRYLQRHVKLIHTEVRN
 YICDECGQTFKQRKHLVHQMRSAGAKPLQCEVCGFQCRQRASLKYHMTKHKAE TELDFACDQCGRREFK
 AHNLNVMHSMVHPLTQTQDKALPLEAEP PPSPSVTTEGQAVKPEPT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_152287

ORF Size: 1617 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_152287.2](#), [NP_689500.2](#)

RefSeq Size: 3548 bp

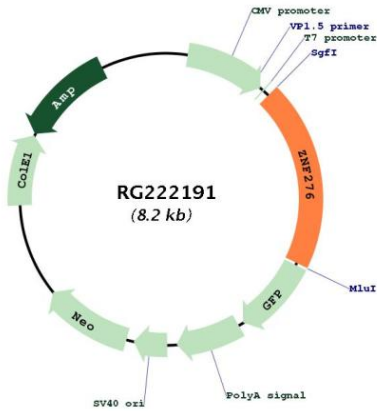
RefSeq ORF: 1620 bp

Locus ID: 92822

UniProt ID: [Q8N554](#)

Cytogenetics: 16q24.3
 Domains: zf-C2H2
 Protein Families: Transcription Factors
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222191