

Product datasheet for **RG226023**

ZNF276 (NM_001113525) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF276 (NM_001113525) 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:

>RG226023 representing NM_001113525
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCGGGACCGGCTGGGCCGCTTCCTGTCTCCTGGTTCGTCGCCGACAGTGGGGCCCTCGGACGGCG
 GCGGCGGCGTCAGCCGGACTCGGGCCGCCCTTCCTTAGCGGTGGGCCGAGGGTGGACGGGCGACGGC
 GCGGCGCGCTGGGGCCCGTGGGGTCTCGGGGACGCGGGCGAGGACGGCGCGGACGAGGCAGGAGCA
 GGCCGGGCTCTCGCCATGGGTCCTGTGCGCTCTGCCACGGGAAGTTTTCTCGAGAAGCCTGCGCAGCA
 TCTCCGAGAGGGCGCTGGAGCGAGCATGGAGAGGCCATCCGCAGAGGAGCGGTGCTCGTACGGGACTT
 CCAGCGCTGCTTGGTGTGGTGTCCGCCAGGACCCACCTTGTCTCCGTTTGTCTGCAAGAGCTGCCAC
 GCCCAGTTCTACCAGTGCCACAGCCTTCTCAAGTCTTCTGCAGAGGGTCAACGCCTCCCCGGTGGTC
 GCCGAAGCCTTGTCAAAGTGGTGGCCAGCCCCAACAGGGGCGAGGAGGGAGCGTGTCTGGTGGA
 TCTGATCACATCCAGCCCCAGTGCCTGCACGGCTTGGTGGGGTGGTGCATGGACATGCGGCCAGCTGC
 GGGGCCCTGCCACCTTCAAGAGACACTGTCTCCGAGTACTGCGGCGTCATCCAGGTCGTGTGGGGCT
 GCGACCAGGGCCACGACTACACCATGGATACCAGCTCCAGCTGCAAGGCCTTCTTGTGGACAGTGGCT
 GGCAGTCAAGTGGCCATGGGACAAAGAGACGGCCACGGCTGCCCCAGCACCGAGGGTGGAAACCTGGG
 GATGCCCTCAGACCTCCAGGGTAGAGGGACAGGGACCCAGTTGGGGCTGAGACCAAGACCCTGCCCA
 GCACGGATGTGGCCAGCCTCCTTCGGACAGCGACGCGGTGGGGCCAGGTCGGGCTTCCACCTCAGCC
 AAGCCTGCCCTTTGCAGGGCCCCAGGGCAGTTGGGTGAGAAGCAGCTTCCATCTTCAACCTCGGATGAT
 CGGGTAAAAGACGAGTTCAAGTACCTTTCTGAGGGAGAGCTTTGAGTGAAGATGAAAATGACAAGAAGC
 AAAATGCCAGTCTTCGACGAGTCTTTCGAGCCTTACCAGAAAGGAAAGTCTCTGGTAAAGAAGTGA
 AAGCAAAGAAGCCAAGAAGTCTGAAGAACAAGAATTCCGAAGAAGCCGGGACCCAAGCCCGGATGGAA
 AAGAAGCTTCGTTGTGAGAGGGAGGAGTTCACCATCTACAAGTGCCTTACCAGGGCTGCACGGCCG
 TGTACCGAGGCGCTGACGGCATGAAGAAGCACATCAAGGAGCACCAGGAGGTCGGGAGCGGCCCTG
 CCCCCACCCTGGCTGCAACAAGTTTTCATGATCGACCGTACCTGCAGCGCCACGTGAAGCTCATCCAC
 ACAGAGGTGCGGAATAATCTGTGACGAATGTGGACAACTTCAAGCAGCGGAAGCACCTTCTCGTCC
 ACCAAATGCGACATTCGGGAGCCAAGCCTTTCAGTGTGAGGTCTGTGGTTCCAGTGCAGGCAGCGGGC
 ATCCCTCAAGTACCACATGACCAAACACAAGGCTGAGACTGAGCTGGACTTTCCTGTGACCAAGTGGC
 CGGCGGTTTGAAGAAGGCCACAACCTCAATGTACACATGTCCATGTCACCCGCTGACACAGACCAGG
 ACAAGGCCTGCCCTGGAGGCGGAACCACCACCTGGGCCACCGAGCCCTCTGTGACCACAGAGGCCCA
 GGCGGTGAAGCCCGAACCCACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226023 representing NM_001113525
 Red=Cloning site Green=Tags(s)

MKRDRLLGRFLSPGSSRQCGASDGGGGVSRTRGRPSLGGPRVDGATARRAWGPVGS CGDAGEDGADEAGA
 GRALAMGHCRLLCHGKFSRSLRSISERAPGASMERPSAEERVLVRDFQRLLGVAVRQDPTLSPFVCKSCH
 AQFYQCHSLKLSFLQRVNASPAGRRKPCAKVGAQPPTGAEEGAQLVDLITSSPQLHGLVGVVHGHAAASC
 GALPHLQRTLSSEYCGVIQVWVWGDQGHDTMDTSSSCKAFLLDSALAVKWPWDKETAPRLPQHRGWNPG
 DAPQTSQGRGTGTPVGAETKTLPSDVAQPPSDSDAVGPRSGFPQPSLPLCRAPGQLGEKQLPSSTSD
 RVKDEFSDLSEGDLSEDENDKKQNAQSSDESFEYPYPERKVS GKKSEKEAKKSEEPRIKKPGPKPGWK
 KKLRCEREELPTIYKCPYQGCTAVYRGADGMKKHIKEHHEEVRERPCPHPGCNKVF MIDRYLQRHVKLIH
 TEVRNYICDECGQTFKQRKHLVHQMHRHSGAKPLQCEVCGFQCRQRASLKYHMTKHAETELDFACDQCG
 RRFKAHNLNVHMSMVHPLTQTQDKALPLEAEP PPSPSVTTEGQAVKPEPT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001113525

ORF Size: 1842 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_001113525.2](#)

RefSeq Size: 4621 bp

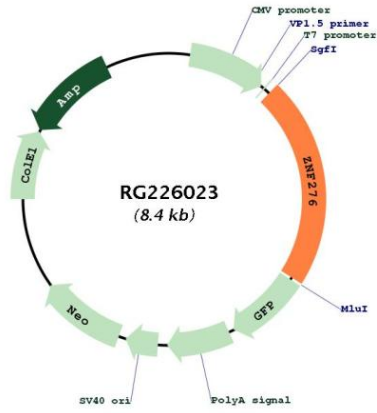
RefSeq ORF: 1845 bp

Locus ID: 92822

UniProt ID: [Q8N554](#)

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

Product images:



Circular map for RG226023