

Product datasheet for **RG221001**

ZNF816A (ZNF816) (NM_001031665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF816A (ZNF816) (NM_001031665) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF816A
Synonyms:	ZNF816A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221001 representing NM_001031665
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTACGTGAGGAAGCCACCAAGAAGAGCAAAGAAAAGGAGCCAGGGATGGCTCTTCTCAGGGACGCT
 TGACTTTCAGGGATGTGGCTATAGAGTTCTTTGGAGGAGTGGAAATGCCTGAACCTGCACAGAGGGC
 TTTATACAGGGCTGTGATGTTGGAGAAGTACAGGAACCTGGAGTTTGTGGATAGCTCTTTAAAATCCATG
 ATGGAGTTCTCATCAACCAGGCACAGTATTACAGGAGAAGTGATCCACACAGGGACGTTGCAAAGACATA
 AAAGTCATCACATTGGAGATTTTGTCTCCAGAAATGAAGAAAGATATTCATCACTTTGAGTTTCAGTG
 GCAAGAAGTTGAAAGAAATGGCCATGAAGCACCCATGACAAAAATCAAAAAGTTGACTGGTAGTACAGAC
 CGAAGTGATCACAGGCATGCTGGAACAAGCCTATTAAGATCAGCTTGATTAAGCTTTCATTGCGATC
 TGCCCTGAACTCCACATGTTTCAGACTAAAGGGAAAATTAGTAACCAATTGGACAAGTCTATCGGTGCTTC
 CTCAGCTTCAGAAATCCCAAGAAATTTCTGTAGGCTCAAACTCATATTTCTAATAAGTATGGGAAGAAT
 TTCTCCATTCTTCACTCACAAAAACAGGAAATATGCATGAGAGAAAAACCTTGCCAAAGTAATGAGT
 GTGGCAAAGCCTTAATTATAGCTCACTCTTAAGGAGACACCACATAACCCATTCAAGAGAGAGAGAATA
 TAAATGTGATGTATGTGGCAAGATCTTTAATCAGAAGCAATACATTGTATATCATCATAGATGTCACACT
 GGTGAGAAAACCTTACAAGTGAATGAGTGTGGGAAGACCTTCACTCAGATGTCATCCCTTGTATGCCATC
 GTAGACTTCATACTGGAGAGAAACCTTACAAGTGAATGAGTGTGGCAAGACCTTCAAGTGAATGAGTGTGGCAAGACTTTT
 GGTGCAAAATTCAGCCCTTGAATTCATAAGGCAATTCATACTGGAGAGAAACCTTACAAGTGAATGAGTGTGGCAAGACTTTT
 GTGGCAAAGCCTTCAAGTGAATGAGTGTGGCAAGACTTTACAAGTGAATGAGTGTGGCAAGACTTTT
 CAAATGTGAAGAATGTGACAATGTTTACATTGCGAGATCACACCTTGAAAGACATAGGAAGATTCACTACT
 GGAGAGGGATCATACAAATGTAAGGTTTGTGACAAGGTTTTCCGGAGTGATTCATACCTTCAGAACATC
 AGAGAGTTCATACTGGAGAGAAACCATAACAAGTGAATAAATGTGGCAGGAGTTTCAGTCGGAAGTCATC
 CCTTCAATACCATCATACACTTCACACTGGAGAGAAACCTTACACATGAATGAATGTGGCAAGGTTTTT
 AGTCGAAGAGAAACCTTGCACGTCATCATAGACTTCATGCTGGAGAGAAACCTTACAAATGTGAAGAAT
 GTGACAAAGTTTTTCAGTCGAGATCACACCTTGAAGACATAGGAGAATTCATACTGGGAAAAACCAT
 CAAATGTAAGGTTTGTGACAAGGCTTCCGGAGTGATTCATGCCTTGCAAACCATACGAGAGTTCATACT
 GGAGAGAAACCTTACAAGTGAATAAATGTGCGAAGGTTTTAATCAAAAAGGAATCCTTGCACAACATC
 AGAGAGTTCATACTGGAGAGAAACCTTACAAGTGAATGAATGTGGCAAGGTTTTAATCAAAAAGCAAG
 CCTTGCAAACATCAGAGAGTTCATACTGCAGAGAAACCTTACAAGTGAATGAGTGTGGCAAGCCTT
 ACTGGACAGTCAACACTTATTCACCATCAAGCAATCCATGGGTGTAGGAAACTTTACAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221001 representing NM_001031665
 Red=Cloning site Green=Tags(s)

MLREEATKKSKEKEPGMALPQGRLTFRDVAIEFSLEEWKCLNPAQRALYRAVMLENYRNLEFVDSLSKSM
 MEFSSSTRHSITGEVIHTGTLQRHSHHIGDFCFPEMKKDIHHFEFQWQEVERNGHEAPMTKIKKLTGSTD
 RSDHRHAGNKPIKDQLGLSFHSHLPELHMFQTKGKISNQLDKSIGASSASESQRISCRKLTHTISNKYGN
 FLHSSFTQIQEICMREKPCQSNCEGKAFNYSSLLRRHHITHSREREYKCDVCGKIFNQKQYIVYHHRCHT
 GEKTYKNECGKTFQMSLVCHRRLHTGEKPYKNECGKTFSEKSSLRCHRRLHTGEKPYKNECGKTF
 GRNSALVIHKAihtGEKPYKNECGKTFsQKSSLQCHHILHTGEKPYKCEEDNVYIRSHLERHRKIHT
 GEGSYKCKVCDKVFRRSDSYLAHQRVHTGEKPYKCNKGRSFSRKSSLQYHHTLHTGEKPYTCNECGKVF
 SRRENLARHRLHAGEKPYKCEEDKVFRRSHLERHRIHTGEKPYKCKVCDKAFRRSDSLANHTRVHT
 GEKPYKCNKCAKVFNQKILAQHQRVHTGEKPYKNECGKVFNQKASLAKHQRVHTAEKPYKNECGKAF
 TGQSTLIHHQAIHGRETLM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_001031665

ORF Size: 1953 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001031665.3](#)

RefSeq Size: 2760 bp

RefSeq ORF: 1956 bp

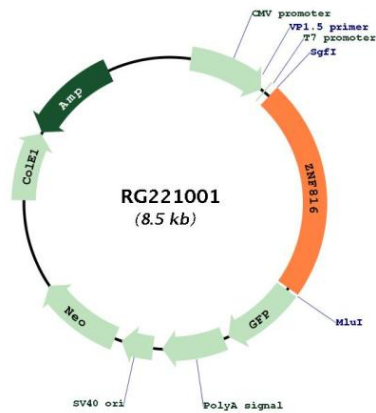
Locus ID: 125893

UniProt ID: [Q0VGE8](#)

Cytogenetics: 19q13.41

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

Product images:



Circular map for RG221001