

Product datasheet for **RG228411**

ZNF716 (NM_001159279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF716
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228411 ORF sequence, codon optimized.

Due to the complexity of NM_001159279, the ORF clone is codon optimized for mammalian Expression.

The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTAAGAGGCCGGTCCCCCGGGTCTAGGGAAATGGGGTTGCTGACCTCCGGGATATCGCGATCG
AGTTTAGTCTGGCCGAGTGGCAGTGCCTGGACCACGCCAGCAGAACCTCTACCGAGACGTTATGCTCGA
GAATTACAGAAATCTGTTTCATTGGGCATCGCGGTGTCCAAACCTGATTTGATAACATGTTGGAGCAG
AACAAAGAGCCGAGAATATCAAACGAAATGAGATGGTGGCAAAGCATCCCGTGACGTGCTCCACTTTA
CGCAGGACCTTCAGAGTGAGCAGGGCATTAAAGGATTCTCTTCAAAAGGTCATCTCAGGCGCTACGGGAA
GTGTGGACAGGAAGACTTGCAGGTTAAAAAGTGTGTAAAAGCGTTGGTGAGTGCAGGTGCATAAAGGC
GGGTACAATTACGTTAATCAATGCCTGTGACGTACGCAGAACAAAGACCTTTAGACTCATAAGTGCCTGA
AAGTTTTCGAAAGTTTTCCACAGTAATAGGCACAAGACTAGGCATACCGGGAAGAAACACTTCAAGTG
TAAGAACGACGGAAAGTATTCTGTATGCTTAGCAGACTGAACGACGACCATACACACCGGGAG
AAGAGTACAAATGTGAGGAGTGTGGGAAAAGCTTCAATTGCAGTAGCACTCTGACACGCCATAAGAGAA
TTCATACTGGAGAGAAGCCATACCGCTGTGAGGAGTGCAGCAAGCCTTTTCTGGTCCGCTTCTCTCAC
AAAGCACAAGAAATCCACACAGGGGAGAAGCCATACACGTGTGAAGAGCGAGGCAAGGTGTTAGCCGC
TCTACACTACCAACTATAAGAGGATACACACAGGGGAGAAGCCCTACACCTGTGAAGAATGTGGGAAAG
CTTTTTCCAGGTCTTCAACCCTCACGAACCATAAGCGGATACATACTGGAGAAAGGCCCTACAAATGCGA
AGAGTGTGGAAAGCCCTTCTCCCTGTCCAGCACACTTAAGAAACACAAATAGTGCACACAGGTGAAAAA
CTTTATACCTGCGAGGAGTGCAGCAAGGCATTTACATTCAGCTCTACACTCAACACCCACAAGAGGATAC
ACACCGGGGAGAAACCTTACACCTGCGAGGAGTGTGGGAAAAGCTTCTCCCTGCCATCAACCTTCACTTA
TCACAAGCGCACCCACACGGGTGAAAAGCCTTATAAATGCGAGGAGTGCAGGAAAGCCTTCAATTGCTCC
TCTACCCTCAAGAAGCACAAGATTATCCATACTGGAGAGAACTGTACAAGTGAAGGAATGCGGAAAAG
CCTTCACATTTTCTCAACGTTGAATACTCATAACGGATACACACTGGGAGAAACCCTACAAATGCGA
AGAGTGCAGACGACATTCAAGTGGCATTCTCACTCGCCAATCATAAGAATATGCATACCGGAGAGAAA
CCTTACAAGTACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228411 representing NM_001159279

Red=Cloning site Green=Tags(s)

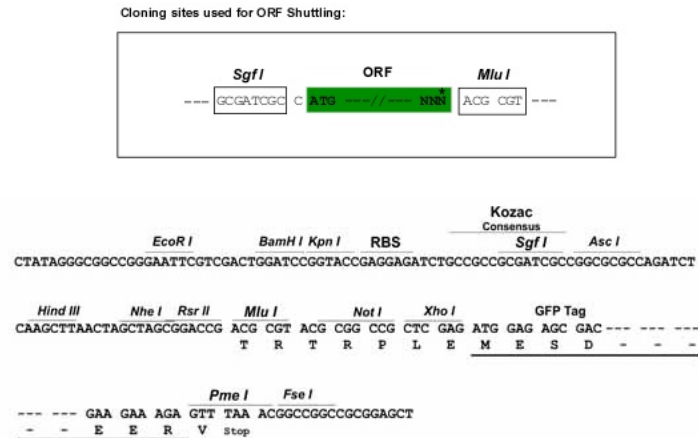
MAKRPGPSREMGLLTFRDIAIEFSLAEWQCLDHAQQNL YRDVMLENYRNLSLGI AVSKPDLITCLEQ
NKEPQNIKRNMVAKHPVTCSHFTQDLQSEQGIKDSLQKVILRRYKCGQEDLQVKKCKSVGECEVHKG
GYNVYNQCLSATQNKTFQTHKCVKVFQKFSNSNRHKTRHTGKKHFKCKNDGKSFCMLSRNLNQHQIIHTRE
KSYKCEECGKSFNCSSTLTRHKRIHTGEKPYRCEECGKAFSWSASLTCHKRIHTGEKPYTCEERGKVF SR
STLTNYKRIHTGEKPYTCEECGKAFSRSTLTNHKRIHTGERPYKCEECGKAFSLSSTLKKHKIVHTGEK
LYTCEECGKAFTFSSTLNTHKRIHTGEKPYTCEECGKAFSLPSTFTYHKRTHTEKPYKCEECGKAFNCS
STLKKHKIIHTGEKLYKCECGKAFTFSSTLNTHKRIHTGEKPYKCEECQDTFKWSSLANHKNMHTGEK
PYKYE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001159279

ORF Size: 1485 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:

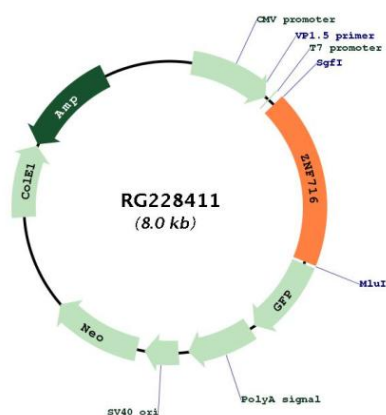
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001159279.1](#), [NP_001152751.1](#)

RefSeq Size:	5210 bp
RefSeq ORF:	1488 bp
Locus ID:	441234
UniProt ID:	A6NP11
Cytogenetics:	7p11.2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG228411