

Product datasheet for **RG216117**

ZNF311 (NM_001010877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF311
Synonyms:	zf31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216117 representing NM_001010877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCAGGAGGTTGTGCTGTTGGATGAGAGTTCAGGACCACCAAGCCAGCTGCTTGGACCCGCCAGGATA
 CCCAGCTCCCTCAGGAAAGCGCTCTATTACCTGCTCCATATCCTGCCTTCACTAAAGATGGAAGCCAAGG
 AAACCTGCCGCAAGCAGATATCACACTAATGAGCCAGGCCCAAGAGTCAGTGACATTTGAGGATGTAGCT
 GTGAACTTCACTAACAGGGAGTGGCAGTGTCTGACCTACGCTCAAAGGCATCTCTATAAGGATGTGATGT
 TGGAAAATTATGGGAACATGGTATCACTTGGATTTCATTTCTAAACCTCCTTTAATCTCTCATCTGGA
 GCGAGAAGTAGACCCCTGTGTGCAGGATCCACAGGACAGGGAGTCCCTAAGCTGCTCTACCCAGTGTCA
 GCTGACAAGATGTGGCCTGAGAATGAAAAGGCAAGTTCACAACAAGAGATTTTTGAAAATGGAGAAGCCT
 ACTGGATGAAATTTAACAGTCTCCTAAAAGTTGATTCCCGGATCCTAAGGTTAGAGAAGTTTGTGTTCA
 GGATGTCAAATTAGAGAATCAATGGGAAACATCTATAAGGGAGAACTGAGAGAAGAGAAAGAGCCTCT
 GAGGAAGTGACCTGCAAAAAGGAAAGAACAGAAAGTGCTTAGTAAAACTTGAATCCAAACTCAAAAC
 ATAGTCAATGTAATAAAGTTCTTATAGCACAGAACTCCATGAATGTGCCAGGTGTGGCAAAACTTCAG
 TTGGCACTCAGATCTAATTCCTATGAGCAAAATTCATCTGGTGAGAAACCCCATGTGTGAATGAGTGT
 GGGAAAGCATTCAAGACCAGAAATCAGCTTTCTATGCACCGGATAATCCACACAGGGAGAAACCTTTTA
 ATTGCACCCAGTGTGGGAAGGCTTTCAACAGTAGATCAGCTCTTTGCCGACATAAAAAAACCCACAGTGG
 GGAGAAGCCTCACGAGTGCAGGACTGTGGGAAGGCCTTCAAGACCAGGAACCGTCTCTGTATGCATCAG
 CTTATCCACACCGGGGAGAAGCCTTACAAATGTAAGTGTGGGAAGGCCTTCCAGTTTAAGCATTCCC
 TTACCATCCATGGCAGAAATCCACACTGGGAGAGCCATATGAATGTGAGGAGTGGGGAAGGCCTTCAG
 TGGGAGTTCAGACCTCACCAAAACACATAAGAATCCACACTGGGGAACGACCTTATGAGTGACGAAGTGT
 GGAAGGGCCTTCAGTCGAGCTCAGACCTAAGCAAAACACAAACGAATCCATACTCGGGAGAAACACTATG
 GGTGTCCCCAGTGTGAAAAGACTTCAGCATCAAGGCAGAATCCACAAACACAGAAGGATCCACACTGA
 AGAGAAACGTTACAGGTGTGAGGAGTGTGGGAAGCCTTTTCGTATAACTGTAAAGCGCAGGGCTCATGAA
 CGAGAGCATACAGGGGAGAAGCCCTATCAATGCAGGATTGTGGGAAAACCTTCCAAGATAAGCACTGCC
 TTACCATCCATCAGAGAATCCACACTGGAGAGAAACCTTACAAATGTTTAGAGTGTGGGAAAGCTTTAG
 TGGGAAGTCAAACCTTGACCAATCATCGAAGAATTCACACTGGAGAGAAGCCTCACAATGTGAGGTATGT
 GGAATGGCCTTCCATCATAGTTCAGTCTGAGGCAGCAGAAAGAAATCCACACTGGTGAAGCCATACA
 CCTGCAGTGAAGTGTGGACGCTCTTCGTGAGGCTCAGCTCTGATTGGACATAAGCGAGTTCATCTGAG
 GGAGAAACCTTATGAATGTGAGGAATGTGGAAAAGCTTTTAGAGTGAAGTCAAATCTTACTGGACATAAG
 AAAAGAAAACATCAAGTATGGAGTACCCATGAAGTGTGGGAGTAGGAAATCCCTCTCTCCAGTGACTG
 TTTCTCAGACCTCAGTAGTCAGTATTTTGACCAAGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216117 representing NM_001010877
 Red=Cloning site Green=Tags(s)

MQEVVLLDESSGPPSQLLWTRQDTQLPQESALLPAPYPAFTKDGSGNLPQADITLMSQAQESVTFEDVA
 VNFTNREWQCLTYAQRHLYKDVMLENYGNMVS LGFPFPKPLISHLEREVDPCVQDPQDRESLSCSPVPS
 ADKMWPENEKASSQEIFENG EAYWMKFNSLLKVDSDPKVREVCVQDVKLENQWETSIREKLREEKEGS
 EEVTCKKGKNQKVL SKNLNPN SKHSQC NKVLI AQKLHECARCGKNFSWHS DLI LHEQIHS GEKPHVCNEC
 GKAFKTRNQLSMHRIIHTGEKPFNCTQCGKAFNSRSALCRHKKTHSGEKPHECRDCGKAFKTRNRLCMHQ
 LIHTGEKPYKCNCCKGAFQFKHSLTIHGRIHTGEKPYECEECGKAFSGSSDLTKHIRIHTGERPYECSK
 GRAFSRSSDL SKHKRIHTREKHYGCPQCGKDFSIKAE LTKHRR IHT EKR YRCEE CGKAFRHNCKRRAHE
 REHTGEKPYQCRDCGKTFQDKHCLTIHQRIHTGEKPYKLECGKAFSGKSNLTNHRRIHTGEKPHKCEVC
 GMAFHSSVLRQHKRIHTGEKPYTCECGTSFRQGSALIGHKRVHTGEKPYECEECGKA FRVSSNL TGHK
 KRKHQVWSTHELDGSRKSLSPVTVSQT SVVSILTSA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001010877

ORF Size: 1998 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:

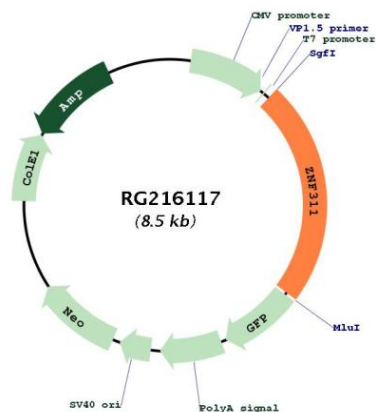
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001010877.5](#)

RefSeq Size: 2698 bp

RefSeq ORF:	2001 bp
Locus ID:	282890
UniProt ID:	Q5JNZ3
Cytogenetics:	6p22.1
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG216117