

Product datasheet for **RG211416**

ZNF497 (NM_198458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF497 (NM_198458) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF497
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG211416 representing NM_198458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGTCCCAAGAGGGTGGACCTGCAGGTGGCCCCAGAGGAAGGCCAGGTCCTCTGCAATGTGAAGA
 CTGCCACGAGGGCCTCTCTGAGGGGGCTGTGTCTGGAGGCTGGGGGGCCTGGGAAAACCTCCACGGAGGT
 TCCGAGGGAGGCAGGGGACGGCCAGCGGAGCAAGCCACACTGGGGGCGGCGGACGAACAGGGAGGCCCC
 GGCAGGGAGCTGGGCCCCGAGACGGTGGGCGGGACGGGGCTGGGCCAGGAGCGAGCCTGCAGACCGGG
 CGTTGCGCCCTTCGCTCTCCAGAGGAGCCGGGCTGCCGGTGGGGGAGTGGGCAAGCGTTACGCCA
 GGGCTCTTACTTGCTGCAGCATCGGCGCGTGCACACAGGCGAGAAGCCGTACACGTGCCCCGAGTGCAGC
 AAGGCCTTCGCTGGAGTCCAACCTCAGCCAGCACCAGCGCATCCACAGCGGCGAGAAGCCCTACGCTT
 GCAGGGAGTGCAGCAAGGCCTTCGCGCGCACTCGCAGCTCATCCACCACAGGAGACACAGCGGCCT
 GAAGCCCTTCGCTGCCGGACTGCGGCAAGTCCCTCGGCCGAAGCACCAGCTGGTGCAGCACCAGCGC
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 TGGAGCACCGGCGCGTGCACACGGGCGCGCGGCCGACGCCTGCCGGGACTGTGGCAAGGCCTTCAGCCA
 GAGCTCCAACCTGGCCGAGCACCTGAAGATCCACGCGGGCGCACGGCCACACGCCTGTCCGACTGCGGC
 AAGGCCTTCGTGCGTGTGGCGGGCTGCGGCAGCACCGGCGCACGACAGCAGCGAGAAGCCCTTCCCT
 GCGCCGAGTGCAGAAAGGCTTTCGCGAGAGCTCGCAGCTCTGCAGCACCAGCGCACGCACTGGTGA
 GCGGCCCTTCGAGTGCAGCGAGTGGCGCCAGGCTTTCGTATGGGCTCTACCTGGCGGAGCACCAGCGC
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 TGAGCCACCGGCGCACGCACTCGGGCGCAAGCCCTTCGCTGCGCCGACTGCGGCAAGGCCTTCCGCGG
 CAGTTCCGGCCTGGCGCACCAACCGGCTTTCGCACACGGGAGAGCGACCCCTTCGCTGCGCAGAATGCGGC
 AAGGCCTTCCGCGGAGCTCCGAGCTGCCAGCAGCAGCGCCTGCACTCTGGCGAGAGGCCGTTCTGTCT
 GCGCCCACTGCAGCAAGGCCTTCGTGCGCAAGTGGAGCTCTTAAGCCACCGGCGCACGACACGGGCGA
 GAGGCCCTACGCTTGGGCGAGTGGGGAAGCCTTTCAGCCACCCTTGAACCTCAACGAGCACCAGAAG
 CGGCACGGGGCGCGCTGCGCCC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

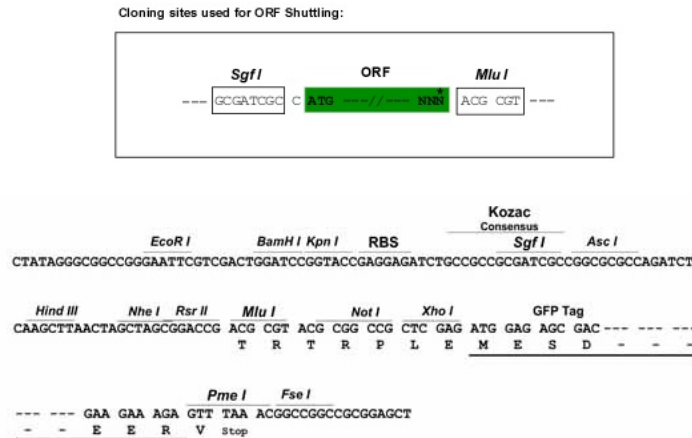
>RG211416 representing NM_198458
 Red=Cloning site Green=Tags(s)

MESPRGWTLQVAPEEGQVL CNVKTATRGLSEGA VSGGWGAWENSTEVPREAGDQQRQATLGA ADEQGGP
 GRELG PADGGRDGAGPRSEPADRALRPSPLPEEPGCRGCEGKAFSQGSYLLQHRRVHTGEKPYTCPECG
 KAFAWSSNLSQHQR IHSGEKPYACRECGKAFRAHSQLIHHQETHSGLKPFRCPCDGKSFGRSTTLVQHRR
 THTGEKPYECPECGKAFSWNSNFLEHRRVHTGARPHACRDCGKAFSQSSNLA EHLKIHAGARPHACPDG
 KAFVRVAGLRQHRRTHSSEKPFPCAECGKAFRESSQLLQHQRTHTGERPF ECAECQAFVMGSYLA EHRR
 VHTGEKPHACAQCGKAFSQRSNLLSHRRTHSGAKPFACADCGKAFRGSSGLAHHRLSHTGERPFACAECG
 KAFRGSSSELRQHRLHSGERPFVCAHCSKAFVRKSELLSHRRTHTGERPYACGECGKPFSHRCNLNEHQK
 RHGGRAAP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_198458

ORF Size: 1494 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_198458.3](#)

RefSeq Size: 3466 bp

RefSeq ORF: 1497 bp

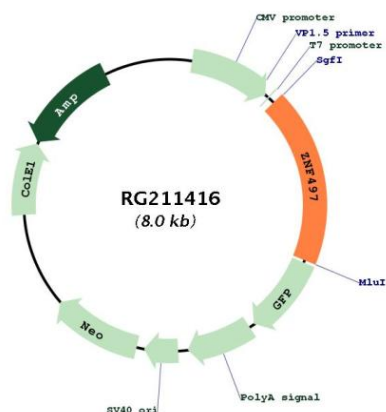
Locus ID: 162968

UniProt ID: Q6ZNH5

Cytogenetics: 19q13.43

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

Product images:



Circular map for RG211416