

Product datasheet for **RG234291**

ZNF497 (NM_001207009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF497 (NM_001207009) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF497
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234291 representing NM_001207009
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGTCCCAAGAGGGTGGACCTGCAGGTGGCCCCAGAGGAAGGCCAGGTCCTCTGCAATGTGAAGA
 CTGCCACGAGGGCCTCTCTGAGGGGGCTGTGTCTGGAGGCTGGGGGGCCTGGGAAAACCTCCACGGAGGT
 TCCGAGGGAGGCAGGGGACGGCCAGCGGAGCAAGCCACACTGGGGGCGGCGGACGAACAGGGAGGCCCC
 GGCAGGGAGCTGGGCCCCGAGACGGTGGGCGGACGGGGCTGGGCCAGGAGCGAGCCTGCAGACCGGG
 CGTTGCGCCCTTCGCTCTCCAGAGGAGCCGGGCTGCCGGTGGGGGAGTGGGCAAGCGTTCAGCCA
 GGGCTCTTACTTGCTGCAGCATCGGCGCGTGCACAGGCGAGAAGCCGTACACGTGCCCCGAGTGCAGC
 AAGGCCTTCGCTGGAGTCCAACCTCAGCCAGCACCAGCGCATCCACAGCGGCGAGAAGCCCTACGCTT
 GCAGGGAGTGCAGCAAGGCCTTCGCGCGCACTCGCAGCTCATCCACCACAGGAGACACAGCGGCCT
 GAAGCCCTTCGCTGCCGGACTGCGGCAAGTCCCTCGGCCGAAGCACCAGCTGGTGCAGCACCAGCGC
 ACGCACACGGGCGAGAAGCCCTACGAGTGCCCGGAGTGCAGCAAGGCCTTCAGCTGGAATCCAATTTCC
 TGGAGCACCGGCGCGTGCACACGGGCGCGCGGCCGACGCCTGCCGGGACTGTGGCAAGGCCTTCAGCCA
 GAGCTCCAACCTGGCCGAGCACCTGAAGATCCACGCGGGCGCACGGCCACACGCCTGTCCGACTGCGGC
 AAGGCCTTCGTGCGTGTGGCGGGCTGCGGCAGCACCGGCGCACGACAGCAGCGAGAAGCCCTTCCCT
 GCGCCGAGTGCAGAAAGGCTTTCGCGAGAGCTCGCAGCTCTGCAGCACCAGCGCACGCACTGGTGA
 GCGGCCCTTCGAGTGCAGCGAGTGGCGCCAGGCTTTCGTATGGGCTCTACCTGGCGGAGCACCAGCGC
 GTGCACACGGGCGAGAAGCCTCATGCGTGCGCCAGTGGCGCAAGGCCTTCAGCCAGCGCTCCAACCTAC
 TGAGCCACCGGCGCAGCACTCGGGCGCAAGCCCTTCGCTGCGCCGACTGCGGCAAGGCCTTCGCGG
 CAGTTCCGGCCTGGCGCACCAACCGGCTTTCGCACACGGGAGAGCGACCCCTTCGCTGCGCAGAATGCGGC
 AAGGCCTTCGCGGCGAGTCCGAGTGCGCCAGCACCAGCGCCTGCACTCTGGCGAGAGGCCGTTCTGTCT
 GCGCCCACTGCAGCAAGGCCTTCGTGCGCAAGTGGAGCTCTTAAGCCACCGGCGCACGACACGGGCGA
 GAGGCCCTACGCTTGGGCGAGTGGGGAAGCCTTTCAGCCACCCTTGAACCTCAACGAGCACCAGAAG
 CGGCACGGGGCGCGCTGCGCCC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234291 representing NM_001207009
 Red=Cloning site Green=Tags(s)

MESPRGWTLQVAPEEGQVL CNVKTATRGLSEGA VSGGWGAWENSTEVPREAGDQQRQATLGA ADEQGGP
 GRELG PADGGRDGAGPRSEPADRALRPSPLPEEPGCRGCEGKAFSQGSYLLQHRRVHTGEKPYTCPECG
 KAF A WSSNL SQHQR IHSGEKPYACRECGKAFRAHSQLIHHQETHSGLKPFRCPCDGKSFGRSTTLVQHRR
 THTGEKPYECPECGKAFSWNSNLF EHRRVHTGARPHACRDCGKAFSQSSNLA EHLKIHAGARPHACPDG
 KAFVRVAGLRQHRRTHSSEKPFPCAECGKAFRESSQLLQHQRTHTGERPF ECAECQAFVMGSYLA EHRR
 VHTGEKPHACAQCGKAFSQRSNLLSHRRTHSGAKPFACADCGKAFRGSSGLAHHRLSHTGERPFACAECG
 KAFRGSSSELRQHRLHSGERPFVCAHCSKAFVRKSELLSHRRTHTGERPYACGECGKPFSHRCNLNEHQK
 RHGGRAAP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001207009

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.

RefSeq: [NM_001207009.2](#)

RefSeq Size: 3481 bp

RefSeq ORF: 1497 bp

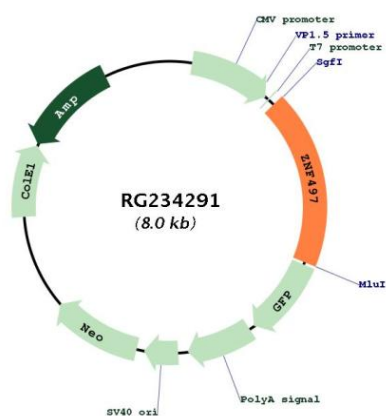
Locus ID: 162968

UniProt ID: [Q6ZNH5](#)

Cytogenetics: 19q13.43

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

Product images:



Circular map for RG234291