

Product datasheet for **RG203025**

ZNF397 (NM_032347) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF397 (NM_032347) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF397
Synonyms:	ZNF47; ZSCAN15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203025 representing NM_032347 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTGGAATCTGGAGTGATTTCAACCCTGATACCTCAGGATCCTCCGGAACAAGAATAACTAG
TGAAAGTAGAAGATAACTTTTCTGGGATGAGAAATTTAAGCAGAATGGGAGTACTCAATCCTGCCAAGA
ATTGTTTCGTAGCAATTCAGAAAATTTGCTACCAGGAGACACCTGGGCCCGGGAGGCTCTGAGCCGA
CTCCAGGAACCTTCTGATCAGTGGCTAATGCCAGAGTTGCACACAAGGAGCAGATCTTAGAACTGCTGG
TACTGGAGCAGTTCCTGAGCATTCTGCCTGAGGAGCTGCAGATCTGGGTTAGCAACATAATCCAGAAAG
CGGCGAGGAAGCTGTGACCCTGTTGGAGGATTTAGAGAGGGAGTTTATGACCCAGGGCAGCAGGTCCCA
GCTAGTCCACAGGGACCAGCAGTCCATGGAAGGATTTAACATGTCTCAGAGCATCCCAAGAGTCAACAG
ACATCCACCTCCAGCCCTTAAAGACACAGCTGAAATCCTGGAAACCATGCCTTTCCCTAAAAGTGATTG
TGAGAACAGTGAACAGCAACAAAAGAGGGCATCTCAGAAGAAAATCACAGGGACTCCCTCAGGAACCT
TCATTTGAGGAATTAAGTTGTCCAGACCTCCCAAAGCTTCTTCAGCTATCCGTTGGGAATGTGTTTCTC
CAGGAAGTTTTCCCGCGATATCATAGCTGCTGAGGCTACACATTCAACAATTTCTGCTTTGCCATCAA
CACTTTGCCAGCCACCATCTGCCATCTAAAAATGTGAATAGAAAGTATTTTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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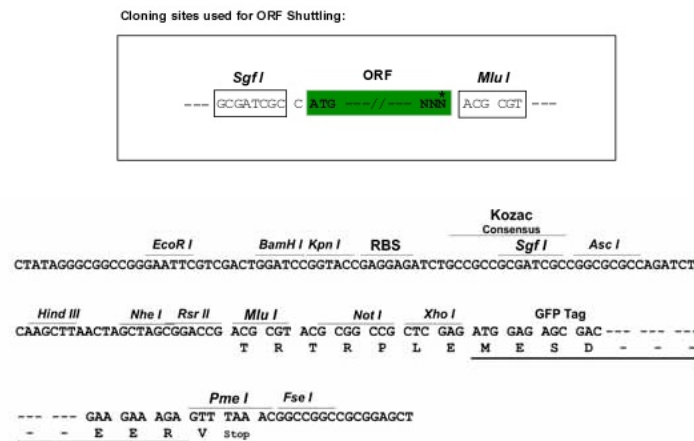
Protein Sequence: >RG203025 representing NM_032347
Red=Cloning site Green=Tags(s)

MAVESGVISTLIPQDPPEQELILVKVEDNFSWDEKFKQNGSTQSCQELFRQQFRKFCYQETPGPREALSRLQELCYQWLMPELHTKEQILELLVLEQFLSILPEELQIWWQHNPESGEEAVTLLEDLEREFDDPGQQVPASPOGPAVPWKDLTCLRASQESTDIHLQPLKTQLKSWKPCLSPKSDCENSETATKEGISEEKSQLPQEPSFRGIKLSRPPKASSAIRWECVSPGSPGDIIAAEATHSTISCFAINLTPATILPSKNVNRKYFS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032347

ORF Size: 825 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_032347.3](#)

RefSeq Size: 1439 bp

RefSeq ORF: 828 bp

Locus ID: 84307

UniProt ID: [Q8NF99](#)

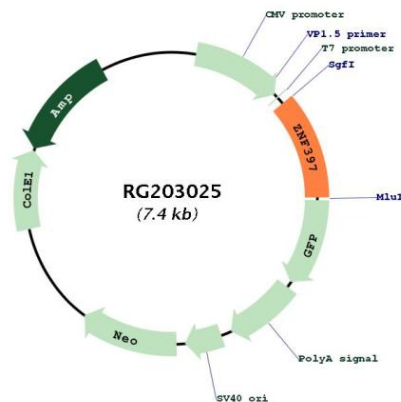
Cytogenetics: 18q12.2

Domains: LER

Protein Families: Transcription Factors

Gene Summary: This gene encodes a protein with a N-terminal SCAN domain, and the longer isoform contains nine C2H2-type zinc finger repeats in the C-terminal domain. The protein localizes to centromeres during interphase and early prophase, and different isoforms can repress or activate transcription in transfection studies. Multiple transcript variants encoding different isoforms have been found for this gene. Additional variants have been described, but their biological validity has not been determined. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG203025