

Product datasheet for **RG216400**

ZNF396 (NM_145756) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF396 (NM_145756) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF396
Synonyms:	ZSCAN14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216400 representing NM_145756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTGCAAAATTGGGAAAGTCATCATCACTCCTAACACAACTTCAGAGGAGTGTAATGGGATTCTGA
 CAGAGAAGATGGAAGAGGAAGAGCAGACCTGTGATCCAGACTCTAGCCTCCACTGGAGCAGCAGCTACAG
 CCCAGAGACCTTCCGCCAGCAATTCAGGCAGTTTGGCTACCAGGATTCACCTGGGCCCCATGAGGCTCTG
 AGCCGGCTCTGGAACTTTGTCATCTCTGGCTGAGGCCGGAAGTGCACCAAGGAGCAGATCCTGGAGC
 TGCTGGTCTGGAGCAGTTCTGGCCATCTCCAAAAGAGCTTCAGGCCTGGGTGCAGAAGCATCATCC
 AGAGAATGGAGAGGAACTGTGACTATGCTGGAGGATGTGGAGAGAGAGCTTGATGGACCAAGCAGATC
 TTTTTTGGACGAAGGAAGGACATGATTGCAGAGAAGCTAGCACCTTCAGAAATCACTGAGGAATTGCCAA
 GTAGCCAGCTCATGCCCGTGAAGAAGCAGCTCCAGGGAGCATCATGGGAGCTTCAGTCCTTAAGACCACA
 TGATGAAGACATCAAACTACAAATGTGAAATCTGCTTCAAGGCAAAAGACTTCTTTAGGCATAGAACTG
 CATTGCAATGTTTCCAATATCCTTCATATGAATGGCTCCAGAGTTCCACATATAGAGGAACCTATGAAC
 AAGATGGTAGGTTTGAAGAGACAAGGAAACCCTTCTTGAAAAAACAACAGAAATGTGATGAATGTGG
 CAAAATCTTTAGTCAGAGCTCAGCCCTTATTTTACATCAGAGAATCCACAGTGGAAAGAAACCTTATGCA
 TGTGACGAGTGTCAAAGGCATTAGCCGAAGCGCAATTCTGATTCAGCATCGACGAACCCATACTGATT
 CAAAATATGAACATGCGATTGCAGAGGCCCAAAAGAATATGTACTTCAAGACTAGGCTGAAGTGCCCCAG
 GTCACCTTCAGGAGGCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG216400 representing NM_145756
Red=Cloning site Green=Tags(s)

MSAKLGKSSSLTQTSEECNGILTEKMEEEETCDPDSSLHWSSSYSPETFRQFRQFGYQDSPGPHEAL
SRLWELCHLWLRPEVHTKEQILELLVLEQFLAILPKELQAWVQKHPENGEETVTMLEDERELDGPKEI
FFGRRKDMIAEKLAPSEITEELPSSQLMPVKKQLQGASWELQSLRPHDEDIKTTNVKSASRQKTSLGIEL
HCNVSNIHLMNGSQSSTYRGTYEQDGRFEKRQGNPSWKKQKQKCECGKIFSQSSALILHQRIHSGKKPYA
CDECAKAFSRSAILIQHRRTHDTSKYEHAIIEAQKNMYFKTRLKCPRSLSGGR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145756

ORF Size: 999 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_145756.3](#)

RefSeq Size: 2788 bp

RefSeq ORF: 1002 bp

Locus ID: 252884

UniProt ID: [Q96N95](#)

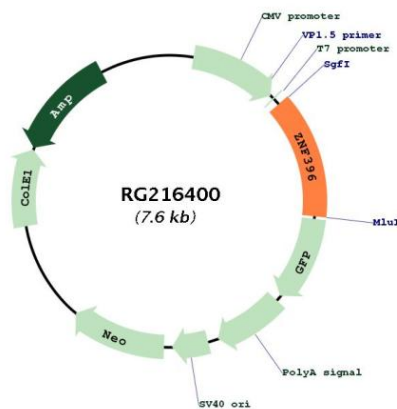
Cytogenetics: 18q12.2

Domains: LER, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Isoform 1 and isoform 2 act as DNA-dependent transcriptional repressors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216400