

Product datasheet for **RG215080**

ZNF366 (NM_152625) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF366 (NM_152625) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF366
Synonyms:	DC-SCRIPT; DCSCRIPT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG215080 representing NM_152625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGAAGGAAATGAAGATGATCAAAGACGAGGATGTGCATTTGCACTTGGCTGTGAAGAAGACCCCT
 CCTTTCCCACTGCCTGCAGCCAGTGGCTTCTCGGGGAAAGGCTCCCCAAAGACACCCCTTCCCGGAAGC
 TCTCCGAGGGCCATTTTCCAGTTTCGGTATGAACCTCCCCAGGAGACCTAGATGGGTTCCCGGGGTC
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 AAGTACCCTCGCCCTCACTCAGAGGAGAAACAAACCACGGCCTTCCCAACCTCCCTTTGCTGTTCCC
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 AGTCTCAGGGCTTTTCAAGTACCCGGCGGGGCCCTCTTTTCTGATTACTTATACTTCAAGCACAGAG
 ATGAGAGTTTGAAGAATTACTGGAGAGGAAATGGAAAAACAAGCAGTGCTTTTAGGTATC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

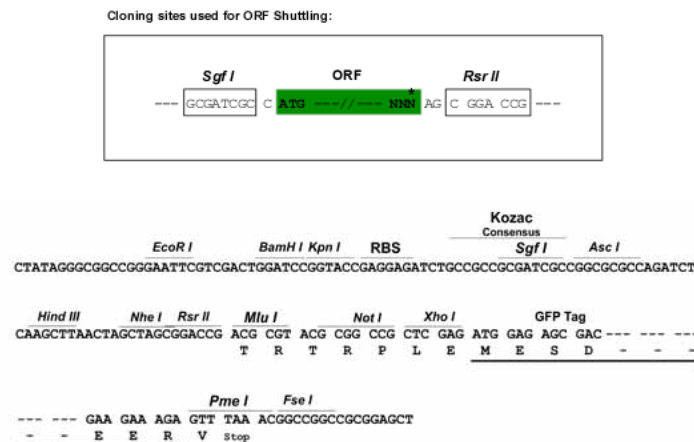
Protein Sequence: >RG215080 representing NM_152625
Red=Cloning site Green=Tags(s)

MQKEMMKIKDEDVHFDLAVKKTPSPHCLQPVASRGKAPQRHPFPEALRGPFSSQFRYEPPPGDLGDFPGV
FEGAGSRKRKSMPTKMPYNHPAEVTLALHSEENKNHGLPNLPLLFPQPPRPKYDSQMIDLCNVGFQFYR
SLEHFGGKPVKQEPKPSAVWPQPTPTPFLTPYPYYPKVHPGLMFPFFVPSSSPFPFSRHTFLPKQPPE
PLLPRKAEPQESEETKQKVERVDVNVQIDDSYYVDVGGSQKRWQCPTCEKSYTSKYNLVTHILGHSGIKP
HACTHCGKLFKQLSHLHMLTHQGTRPHKCQVCHKAFTQTSHLKRHMMQHSEVKPHNCRVCGRGFAYPS
ELKAHEAKHASGRENICVEGCLDFPTLAQLKRHLTTHRGPIQYNCSECDKTFQYPSQLQNMMKHKDIRP
YICSECGMEFVQPHHLKQHSLTHKGVEKHKCGICGREFTLLANMKRHVL IHTNIRAYQCHLCYKSFVQKQ
TLKAHMI VHSVKPFCKL CGKEFNRMHNL MGHMHLHSDSKPFCCLYCPSKFTLKGNL TRHMKVKHGVME
RGLHSQGLGRGRIALAQTAGVLRSLQEPEFDLSQKRRAKVPVFQSDGESAQGSHCHEEEEEEDNCYEVEP
YSPGLAPQSQQLCTPEDLSTKSEHAPEVLEEACEEKEDASKGEWEKRSKGDLAGEGQERDCAGRDECL
SLRAFQSTRRGPSSFSDLYFKHRDESLKELLERKMEKQAVLLGI

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_152625

ORF Size: 2232 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_152625.1](#), [NP_689838.1](#)

RefSeq Size: 2770 bp

RefSeq ORF: 2235 bp

Locus ID: 167465

UniProt ID: [Q8N895](#)

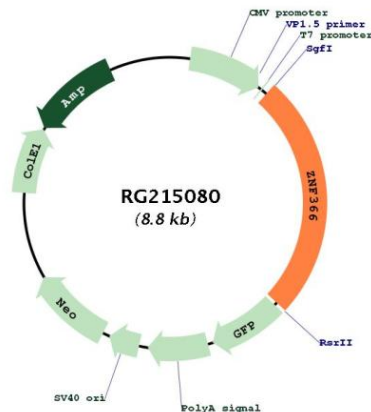
Cytogenetics: 5q13.2

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Has transcriptional repression activity. Acts as corepressor of ESR1; the function seems to involve CTBP1 and histone deacetylases.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215080