

Product datasheet for **RC215080**

ZNF366 (NM_152625) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF366 (NM_152625) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF366
Synonyms:	DC-SCRIPT; DCSCRIPT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC215080 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

 ATGCAGAAGGAAATGAAGATGATCAAAGACGAGGATGTGCATTTGCACTTGGCTGTGAAGAAGACCCCT
 CCTTTCCCACTGCCTGCAGCCAGTGGCTTCTCGGGGAAAGGCTCCCAAGACACCCCTTCCCGGAAGC
 TCTCCGAGGGCCATTTCCAGTTTCGGTATGAACCTCCCCAGGAGACCTAGATGGGTTCCCGGGGTC
 TTCGAAGGAGCAGGGTCTAGGAAACGGAAGAGCATGCCACAAAGATGCCCTATAACCACCTGCAGAAG
 AAGTACCCTCGCCCTCACTCAGAGGAGAACAAAAACACGGCCTTCCCAACCTCCCTTTGCTGTTCCC
 GCAGCCCCCGCCCCAAGTATGACTCTCAGATGATCGACCTGTGCAACGTGGGCTTCAATTCTACCGC
 AGCCTGGAACACTTTGGGGCAAGCCCGTCAAGCAGGAACCCATTAAGCCCAGCGCCGTGTGGCCCCAGC
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 CTTCTTCTGTCCTCGCTCGCCCTTCCCTTCAGCCGGCACACCTTCTGCCAAGCAGCCCCCGGAA
 CCTCTGTGCCCCGAAAGCCGAGCCCCAGGAGAGCGAGGAGACCAAGCAGAAGGTGGAGAGGGTGGACG
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 TTGCCAAGCAAATTCACCTGAAGGGGAACCTGACACGCCACATGAAAGTCAAGCATGGAGTCATGGAG
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 ACGCCCCGAGGTGCTGGAGGAAGCCTGCAAGGAGGAGAAGGAGGATGCATCCAAGGGAGAATGGGAGAA
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 AGTCTCAGGGCTTTTCAAGTACCCGGCGGGGCCCTCTTTTCTGATTACTTATACTTCAAGCACAGAG
 ATGAGAGTTTGAAGAATTACTGGAGAGGAAATGGAAAAACAAGCAGTGCTTTTAGGTATC

 AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215080 protein sequence
 Red=Cloning site Green=Tags(s)

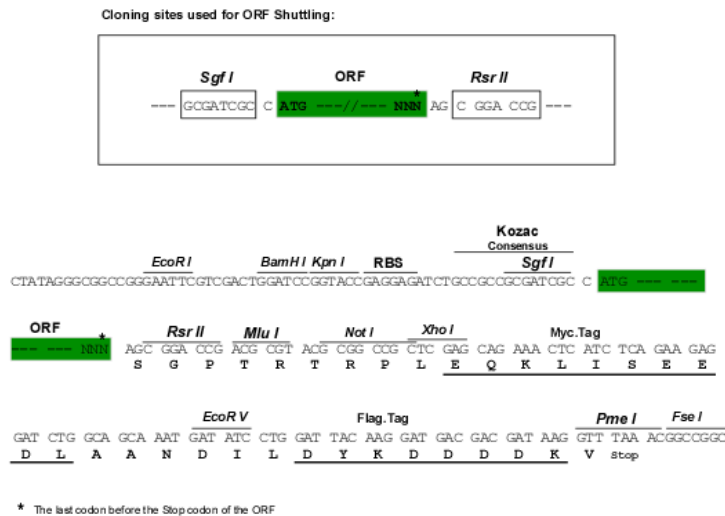
MQKEMMKIKDEDVHFDLAVKKTSPSPHCLQPVASRGKAPQRHPFPEALRGPFQFRYEPFPGDLDFGPGV
 FEGAGSRKRKSMPTKMPYNHPAEVTLALHSEENKNHGLPNLPLLFPQPPRPKYDSQIMIDLCNVGFQFYR
 SLEHFGGKPVKQEPKPSAVWPQPTPTPFLPTPYYPYKVPGLMFPFFVPSSSPFFSRHTFLPKQPPE
 PLLPRKAEPQESEETKQKVERVDVNVQIDDSYYVDVGGSQKRWQCPTCEKSYTSKYNLVTHILGHSQIKP
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 ELKAHEAKHASGRENICVEGLDFPTLAQLKRHLTTHRGPIQYNCSECDKTFQYPSQLQNMMKHKDIRP
 YICSECGMEFVQPHHLKQSLTHKGVEHKCGICGREFTLLANMKRHVL IHTNIRAYQCHLCYKSFVQKQ
 TLKAHMI VHSVKPFCKL CGKEFNRMHNL MGHMLHSDSKPFKCLYCPSKFTLKGNL TRHMKVKHGVME
 RGLHSQGLGRGRIALAQTAGVLSLEQEEPFDSLQKRRAKVPVFQSDGESAQGSHCHEEEEEEDNCYEVEP
 YSPGLAPQSQQLCTPEDLSTKSEHAPEVLEEACEEKEDASKGEWEKRSKGDLAGEGQERDCAGRDECL
 SLRAFQSTRRGPSFSDLYFKHRDESLKELLERKMEKQAVLLGI

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6624_e05.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_152625

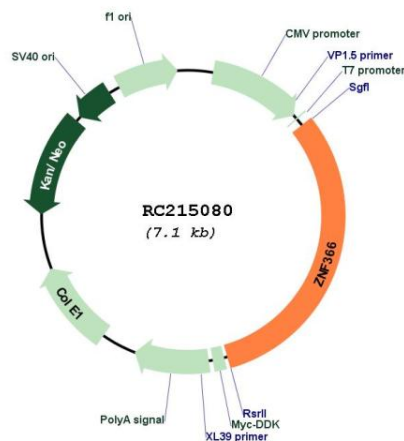
ORF Size: 2232 bp

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](#)

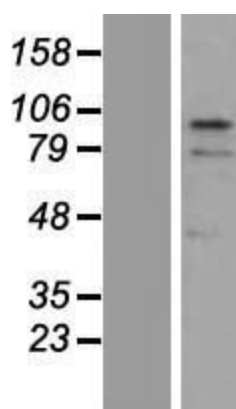
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_152625.3</u>
RefSeq Size:	2770 bp
RefSeq ORF:	2235 bp
Locus ID:	167465
UniProt ID:	<u>Q8N895</u>
Cytogenetics:	5q13.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
MW:	85.1 kDa
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 RC215080



Western blot validation of overexpression lysate (Cat# [LY407429]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215080 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).