

## Product datasheet for **RC225770**

### **ZNF213 (NM\_001134655) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF213 (NM_001134655) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF213
Synonyms:	CR53; ZKSCAN21; ZSCAN53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC225770 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCCCCCTTGAGGCCAGGACCAGGCCCTGGGAGGGAGAAGGGCTTCTGATTGTGAAAGTGG  
 AAGATTCCTCCTGGGAACAGGAATCTGCCAGCATGAGGATGGCAGGGATTCCGAAGCCTGCCGCCAGCG  
 CTTCCGGCAATTCTGCTACGGGGATGTGCATGGGCCTCATGAGGCCTTCAGCCAGCTCTGGGAGCTCTGC  
 TGCCGCTGGCTGCGGCCGAGCTGCGTACCAAGGAGCAGATCCTGGAGCTGCTGGTGTGGAGCAGTTCC  
 TGACAGTGTGCCAGGGGAGATCCAGGGCTGGGTGCGTGAGCAGCACCCGGGAAGCGGTGAGGAGGCTGT  
 CGCCTTGGTGGAGGACCTACAGAAGCAGCCAGTAAAGCCTGGCGACAGGATGTGCCCTCGGAGGAGGCC  
 GAACCCGAGGCTGCAGGCCGGGATCCCAGGCCACGGGGCTCCCCGACGGTGGGGGCACGGAGGCGGC  
 CGTCTGTTCCCGAGGAGCAGCACAGCCATAGCGCCAGCCTCCTGCTCTTCTAAAGAGGGTCGTCGCGG  
 AGAGACGACGGACACCTGCTTTGTCTCTGGGTCCATGGACCTGTGGCATTGGGAGACATCCATTCTAT  
 TTCTCCCGGAAGAATGGGGCACCTGGACCCTGCTCAGCGGGATCTCTTCTGGGACATAAAGCGGGAGA  
 ACTCCCGGAACACCACCTGGGTTTTGGGCTCAAAGGCCAAAGTGAGAAGTCCCTGCTGCAGGAGATGGT  
 GCCGGTGGTGCCAGGCCAGACAGGCAGCGACGTGACTGTGTCTGGAGCCCCGAGGAGGCTGAGGCCTGG  
 GAGAGCGAGAACCGGCCGAGGGCGGCCCTGGGCCAGTGGTGGGCGCGCACGGGGCGGCCACCCACTC  
 GCCGGCGCAGTTCGGGACCTGGCAGCCGAGAAGCCGCACAGCTGCGGGCAGTGTGAAAGCGCTTCCG  
 CTGGGGCTCGGACCTGGCGGGCACCAGCGCACGCACACGGGCGAGAAGCCACACAAGTGCCTGAGTGC  
 GACAAGAGCTTCCGCAGCTCCTCGGACCTGGTGCGCCACCAAGGCGTGCACACGGGCGAGAAGCCCTTCT  
 CCTGTTCCGAGTGCGGCAAGAGCTTACGCCGACGCGCTACCTGGCCGACCACCGCGCATACACACGGG  
 CGAGAAGCCTTTTCGGCTGCAGCGACTGCGGCAAGAGCTTCTCGCTGCGCTCCTACCTGCTGGACCATCGG  
 CGTGTGCACACCGGTGAGCGGCCCTTCGGCTGCGGAGAGTGCACAAAGAGCTTAAAGCAGCGCGCCACC  
 TCATCGCGCATCAGAGCCTGCACGCCAAGATGGCCAGCCCGTGGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC225770 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAPLEAQDQAPGEGEGLLIVKVEDSSWEQESAQHEDGRDSEACRQRFQFCYGDVHGPHEAFSQLWELC  
 CRWLRPELRTKEQILELLVLEQFLTVLPGEIQGWVREQHPGSGEEAVALVEDLQKQPVKAWRQDVPSEEA  
 EPEAAGRGSQATGPPPTVGARRRPSVPQEQHSHSAQPPALLKEGRPGETDTCFVSGVHGPVALGDIPFY  
 FSREEWGTLDPAQRDLFWDIKRENSRNTLGFGLKGQSEKSLLEMPVVPVPGQTGSDVTVSWSPEEAEAW  
 ESENRPRAALGPVVGARRGRPPTRRRQFRDLAAEKPHSCGQCGRFRWGSDLARHQRTHTGEKPHKCEPC  
 DKSFRRSSDLVRHQGVHTGEKPFSCSECGKFSRSAYLADHQRIHTGEKPFGCSDCGKSFSLRSYLLDHR  
 RVHTGERPFGCGECDKSFQRAHLIAHQSLHAKMAQPVG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6078\\_d09.zip](https://cdn.origene.com/chromatograms/mk6078_d09.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001134655

**ORF Size:** 1377 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\\_001134655.2](#)

**RefSeq Size:** 3282 bp

**RefSeq ORF:** 1380 bp

**Locus ID:** 7760

**UniProt ID:** [O14771](#)

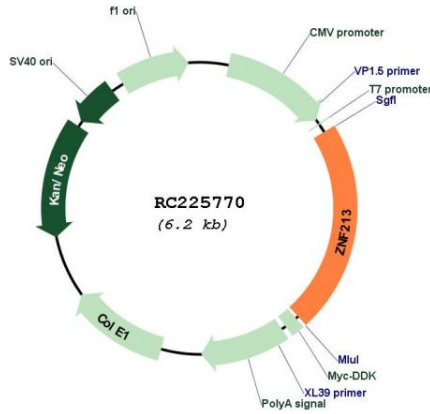
**Cytogenetics:** 16p13.3

**Protein Families:** Transcription Factors

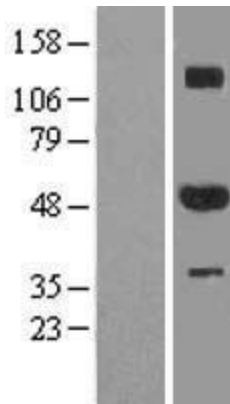
**MW:** 51.3 kDa

**Gene Summary:** C2H2 zinc finger proteins, such as ZNF213, have bipartite structures in which one domain binds DNA or RNA and the other modulates target gene expression.[supplied by OMIM, Apr 2004]

**Product images:**



Circular map for RC225770



Western blot validation of overexpression lysate (Cat# [LY427465]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225770 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).