

## Product datasheet for **RG225770**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF213 (NM_001134655) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF213
Synonyms:	CR53; ZKSCAN21; ZSCAN53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG225770 representing NM\_001134655  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCCCCCTTGAGGCCAGGACCAGGCCCTGGGGAGGGAGAAGGGCTTCTGATTGTGAAAGTGG  
 AAGATTCCTCCTGGGAACAGGAATCTGCCAGCATGAGGATGGCAGGGATTCCGAAGCCTGCCGCCAGCG  
 CTTCCGGCAATTCTGCTACGGGGATGTGCATGGGCCTCATGAGGCCTTCAGCCAGCTCTGGGAGCTCTGC  
 TGCCGCTGGCTGCGGCCGAGCTGCGTACCAAGGAGCAGATCCTGGAGCTGCTGGTGTGGAGCAGTTCC  
 TGACAGTGTGCCAGGGGAGATCCAGGGCTGGGTGCGTGAGCAGCACCCGGGAAGCGGTGAGGAGGCTGT  
 CGCCTTGGTGGAGGACCTACAGAAGCAGCCAGTAAAGCCTGGCGACAGGATGTGCCCTCGGAGGAGGCC  
 GAACCCGAGGCTGCAGGCCGGGATCCCAGGCCACGGGGCTCCCCGACGGTGGGGCACGGAGGGCGG  
 CGTCTGTTCCCGAGGAGCAGCACAGCCATAGCGCCAGCCTCCTGCTCTTCTAAAGAGGGTCGTCGCGG  
 AGAGACGACGGACACCTGCTTTGTCTCTGGGGTCCATGGACCTGTGGCATTGGGAGACATCCATTCTAT  
 TTCTCCCGGAAGAATGGGGCACCTGGACCCTGCTCAGCGGGATCTTCTGGGACATAAAGCGGGAGA  
 ACTCCCGGAACACCACCTGGGTTTTGGGCTCAAAGGCCAAAGTGAGAAGTCCCTGCTGCAGGAGATGGT  
 GCCGGTGGTGCCAGGCCAGACAGGCAGCGACGTGACTGTGTCTGGAGCCCCGAGGAGGCTGAGGCCTGG  
 GAGAGCGAGAACCGGCCGAGGGCGGCCCTGGGCCAGTGGTGGGCGCGCACGGGGCGGCCACCCACTC  
 GCCGGCGCAGTTCGGGACCTGGCAGCCGAGAAGCCGCACAGCTGCGGGCAGTGTGAAAGCGCTTCCG  
 CTGGGGCTCGGACCTGGCGCGCACAGCGCACACGGGCGAGAAGCCACACAAGTGCCTGAGTGC  
 GACAAGAGCTTCCGCAGCTCCTCGGACCTGGTGCGCCACCAAGGCGTGCACACGGGCGAGAAGCCCTTCT  
 CCTGTTCCGAGTGCGGCAAGAGCTTACGCCGACGCGCTACCTGGCCGACCACCAGCGCATAACACCGGG  
 CGAGAAGCCTTTCCGGCTGCAGCGACTGCGGCAAGAGCTTCTCGCTGCGCTCCTACCTGCTGGACCATCGG  
 CGTGTGCACACCGGTGAGCGGCCCTTCGGCTGCGGAGAGTGCACAAAGAGCTTAAAGCAGCGCGCACC  
 TCATCGCGCATCAGAGCCTGCACGCCAAGATGGCCAGCCCGTGGGG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225770 representing NM\_001134655  
 Red=Cloning site Green=Tags(s)

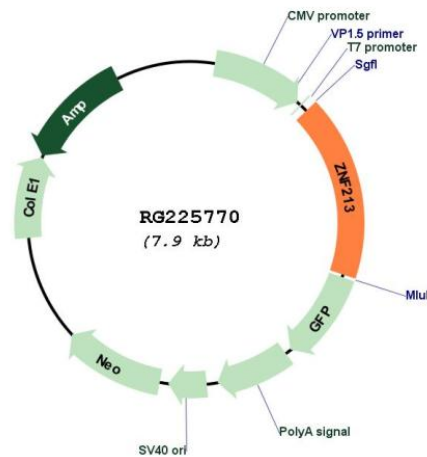
MAAPLEAQDQAPGEGEGLLIVKVEDSSWEQESAQHEDGRDSEACRQRFQFCYGDVHGPHEAFSQLWELC  
 CRWLRPELRTKEQILELLVLEQLTLVLPGEIQGWVREQHPGSGEEAVALVEDLQKQPVKAWRQDVPSEEA  
 EPEAAGRGSQATGPPPTVGARRRPSVPQEQHSHSAQPPALLKEGRPGETTDTCFVSGVHGPVALGDIPFY  
 FSREEWGLDPAQRDLFWDIKRENSRNTTLGFGLKGQSEKSLLEMPVVPVPGQTGSDVTVSWSPEEAEAW  
 ESENRPRAALGPVVGARRGRPPTRRRQFRDLAAEKPHSCGQCGKRFWRGSDLARHQRTHTGKPHKCEPC  
 DKSFSSDLVRHQGVHTGEKPFSCSECGKSFSSAYLADHQRIHTGEKPFGSDCGKSFSLRSYLLDHR  
 RVHTGERPFGCGECDKSFQRAHLIAHQSLHAKMAQPVG

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001134655.2</a>
<b>RefSeq Size:</b>	3282 bp
<b>RefSeq ORF:</b>	1380 bp
<b>Locus ID:</b>	7760
<b>UniProt ID:</b>	<a href="#">O14771</a>
<b>Cytogenetics:</b>	16p13.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]