

## Product datasheet for **RC237903**

### ZNF2 (NM\_001282398) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF2 (NM_001282398) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF2
Synonyms:	A1-5; Zfp661; ZNF661
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237903 representing NM_001282398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGCTGTCTCCGACCACAGATGCCAGGAATCAGTGACATTCGAAGACGTTGCCGTGGTTTTCA  
CAGATGAAGAGTGGAGTCTGGTCCCCATACAGAGGGACCTCTACAAGGAGGTGATGCTGGAGAACTA  
TAACAGCATTGTGTCATTGGACTGGGAACTAAGCCTGAGATTCAGATGCTTCAGACAAAAATCAGAA  
GGATCATTGAGGGAATGCCTTGAAGGCAAAGTCTCTGTGCCTAAATTTGAAGTTCATACACCCAATG  
GCAGGATGGGAACAGAAAAGCAAAGCCCTTCAGGGGAGACTCGTAAGAAATCCCTCTCCCGGACAAAGG  
CTTGCGGCGACGGTCAGCCCTGTCCAGGAAATTTCTACTAAAGAGAGACACCAGGAATGCAGTGACTGT  
GGGAAGACCTTTTTGACCACTCATCCCTACCCGCCATCAGAGGACTCACACTGGGAGAAAGCCCTACG  
ACTGCCGCGAGTGTGGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGCAGACATCTGATGTCACACTGG  
GGAGAGCCCTACGAGTGCAGTGTGTGCTCAAAGCCTTCTTTGACCGTTCGTCCTAACTGTCCATCAG  
CGAATTCACACTGGAGAGAAACCCTTTCAGTGCAACGAGTGTGGAAAAGCCTTTTTGACCGTTCATCCC  
TTACTCGACACCAGAGAATTCACACTGGAGAAAGTCTTATGAATGTCATCAGTGTGGGAAAGCCTTTAG  
CCAGAAAAGTATTCTTACTCGCCATCAGCTAATCCACACTGGCAGGAAGCCTTATGAGTGAACGAGTGC  
GGGAAAGCTTTCTATGGTGTCTGCTCTGAATAGACATCAGAAAAGCTCATGCTGGGGACCTCGTATC  
AGTGTAACGAGTGTGGCAAAGCTTTCTTTGACCGCTCATCCCTTACACAGCATCAGAAGATCCACTGG  
AGACAAGCCATATGAATGCAGCGAATGCGGAAAGCCTTTAGCCAGCGGTGCCGGCTCACGCGGCATCAG  
CGTGTCCACACGGGAGAGAAGCCCTTTGAATGCACTGTGTGTGGGAAAGTTTTAGTTCAAATCTTCTG  
TTATTCAACATCAACGGCGTTACGCCAACAGGGAATAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237903 representing NM\_001282398  
 Red=Cloning site Green=Tags(s)

MAAVSPTRRCQESVTFEDVAVVFTDEEWSRLVPIQRDLYKEVMLENYNSIVSLDWETKPEIHDASDKKSE  
 GSLRECLGRQSPKPFVHTPNGRMGTEKQSPSGETRKKSLSRDKGLRRRSALSREILTKERHQECSDC  
 GKTFDFHSSLTRHQRTHTGEKPYDCRECGKAFSHRSSLSRHLSMTGESPYECSVCSKAFFDRSSLTVHQ  
 RIHTGEKPFQCNECGKAFFDRSSLTRHQRIHTGESPYECHQCGKAFSQKSILTRHQLIHTGRKPYECNEC  
 GKAFYGVSSLNHRQKAHAGDPRYQCNECGKAFFDRSSLTQHQKIHTGDKPYECSECGKAFSQRCRLTRHQ  
 RVHTGEKPFECTVCGKVFSSKSSVIQHRRYAKQGID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

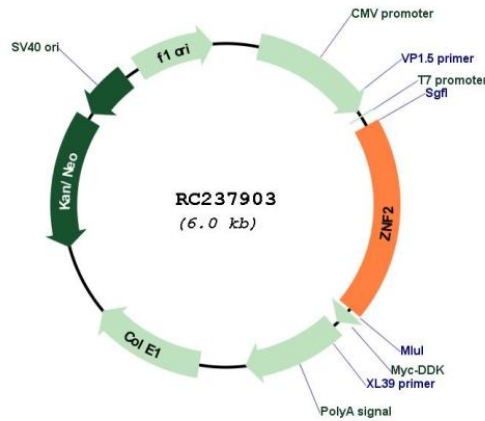
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282398

<b>ORF Size:</b>	1161 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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_001282398.2</a>
<b>RefSeq Size:</b>	3866 bp
<b>RefSeq ORF:</b>	1164 bp
<b>Locus ID:</b>	7549
<b>UniProt ID:</b>	<a href="#">Q9BSG1</a>
<b>Cytogenetics:</b>	2q11.1
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	44.8 kDa
<b>Gene Summary:</b>	The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]