

## Product datasheet for **RC205237**

### ZNF223 (NM\_013361) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF223 (NM_013361) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF223
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC205237 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCATGTCCAAGGAGCAGTGACCTTCAAGGATGTGGCAGTGGTCTTCACTGAGGAGGAGCTGGGGC  
 TGCTGGACCTTGCCAGAGGAAGCTGTATCGAGATGTGATGCTGGAGAATTTCAGGAACCTGCTGTCACT  
 GGGGCATCAACCATTCCACCGAGATACTTTCCACTTTCTAAGGGAGGAAAAGTTTTGGATGATGGATATA  
 GCAACCCAAAGAGAAGGGAATTCAGGAGCAAGATCCAACCTGAGATGAAGACTTTTCCAGAAGCAGGAC  
 CACATGAAGGGTGGTCTGCCAGCAGATCTGGGAAGAAATGCAAGTGATTTAACAGGCCTCAAGACTC  
 TACCATAAAGAGCTCTCAGTTCTTTGAACAGGGTGTGCCACTCCAGGTTGAGGAAGGAATATCTATA  
 ATGCACACAGGACAGAAACCTTCCAATTTGGGAAGTGTAAACAATCCTTCAGTGATATGCCATCTTTG  
 ATCTTCTCAGCAATACGCTCAGCAGAGAAGTCTCATTCTGTGATGAGTGTGGAAAAAGCTTCTGTTA  
 CATCTCAGCACTTCATATTCATCAGAGAGTCCACCTGGGAGAGAACTCTTTAAGTGTGAGCTGTGTGGT  
 AAGGAATTCAGTCAGAGTTTACATCTGCAAACTCATCAGAGAGTCCATACTGGAGAGAAACCTTTCAAAT  
 GTGAACAATGTGGGAGAGGCTTCAGATGTAGATCAGCACTTACAGTTCATTGCAAATACACATGGGAGA  
 GAAACATTATAATTGTGAGGCATGTGGGAGGCCCTTATTATGATTTCCAGCTTCAGAAACATCAGAGA  
 ATTCACACAGGGGAGAAGCCATTCAAATGTGAGATATGTAGTGTGAGCTTCCGTCTTAGGTCAAGTCTTA  
 ATAGGCATTGTGTGGTCCACACAGGAAAGAAACCAACAGCACTGGGGAATATGGAAAAGGCTTCATTCCG  
 TAGGCTGGATTTGTGTAAGCATCAGACGATCCACACAGGAGAGAAACCATATAATTGTAAGAATGTGGG  
 AAGAGCTTCAGACGGTCTCTATCTTTTGTATCCATCAGCGAGTCCACTGGAGAAAAGCCATACAAAT  
 GTGACAAAGTGTGGGAAGAGCTACATTACTAAGTCAAGTCTTGACTTGCACCACAGAGCCACACAGAGA  
 GAGACCTTATAACTGTGATGACTGTGGGAAGAGCTTTAGACAGGCCTCAAGTATTTTGAATCATAAGAGA  
 CTCCATTGCCGAAAAAAACCATTCAAATGTGAGGATTGTGGAAAGAAGCTTGTATACCGGTACATCCGTA  
 AAGACCACAAAAAAACACAGTGGAGAAAATCCATCCAATGTGAAGACTGTGGGAAGCGCTACAAGAG  
 GCGCTTGAATCTTGATATAATTTTATCATTATTTTAAATGACACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC205237 protein sequence  
 Red=Cloning site Green=Tags(s)

MTMSKEAVTFKDVAVVFTEEELGLLDLAQRKLYRDVMLENFRNLLSVGHQPFHRDTFHFLREEKFWMMDI  
 ATQREGNSGGKIQPEMKTPEAGPHEGWSCQIWEIIASDLTRPQDSTIKSSQFFEQGDAHSQVEEGISI  
 MHTGQKPSNCGKCKQSFSDMSIFDLPPQIRSAEKSHSCDECGKSFICYISALHIHQRVHLGEKLFKCDVCG  
 KEFSQSLHLQTHQRVHTGEKPFKCEQCGRGFRCSALTVHCKLHMGEKHYNCEACGRAFIHDFQLQKHQR  
 IHTGEKPFKCEICSVSFRLRSSLNRHCVVHTGKPNSTGEYKGFIRRLDLCKHQT IHTGEKPYNCKECCG  
 KSFRRSSYLLIHQRVHTGEKPYKCDKCGKSYITKSGLDLHHRHTGERPYNCDGCGKSFQASSILNHKR  
 LHCRKPKFKCEDCGKLYRSYRKDQKNHSGENPSKCEDCGKRYKRRLNLDIILSLFLNDT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6754\\_a03.zip](https://cdn.origene.com/chromatograms/mk6754_a03.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_013361

**ORF Size:** 1446 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\\_013361.3](#)
**RefSeq Size:** 2419 bp

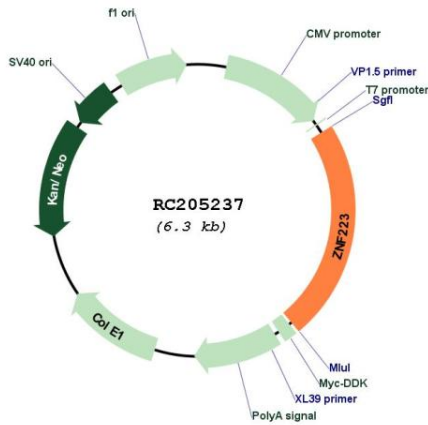
**RefSeq ORF:** 1449 bp

**Locus ID:** 7766

**UniProt ID:** [Q9UK11](#)

**Cytogenetics:** 19q13.31  
**Domains:** KRAB, zf-C2H2  
**Protein Families:** Transcription Factors  
**MW:** 55.8 kDa  
**Gene Summary:** This gene encodes a protein containing a Kruppel-associated box domain and multiple zinc finger domains. The function of this protein has yet to be determined. [provided by RefSeq, Mar 2014]

**Product images:**



Circular map for RC205237