

## Product datasheet for **RC217848**

### ZNF189 (NM\_003452) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_003452) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC217848 representing NM\_003452  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCCCCGAGCCCCCGCCGGAGTGAAGGGTTGCTGACATTTGAGGATGTGGCTGTGTTTTTTA  
 CCCAGGAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGCCTGTATAAAGATGTCATGATGGAGAATTA  
 TGGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAGGATGAGGAGCCAACCTGTAAAACAAGAGATT  
 GAAGAAATTGAGGAAGAAGTGAACACAGGGTGAATAGTTACAAGAATCAAAAGTGAAATTGACCAGG  
 ATCCTATGGGTAGAGAAACATTTGAACTTGTGGTAGGTAGATAAAACAAGAGGGATCTTCCTATGGGA  
 AATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTAGAGAAAACACTAACATTATCCGTAAGA  
 CCAAACCTCAGAAGAGAAATGCCATAAATGTGAAGAATGTGAAAGGGTTTTGTCGCAAGGCCCATTTCA  
 TTCAACATCAAAGGTCCATACTGGTGAGAAACCTTTTTCAGTGAATGAATGTGGGAAAAGTTTTAGTCCG  
 CAGTTCATTTGTTATTGAACATCAGAGAATTCACACTGGGAAAAGGCCCTATGAGTGAATTTACTGTGGA  
 AAAACCTTTAGTGTGAGCTCAACCTTATTAGACATCAGAGAATCCACACTGGAGAAAGACCTATCAGT  
 GTAATCAGTGTAAACAGAGCTTCAGCCAGAGAAGGAGCCTTGTTAAACATCAAAGGATTCATACAGGTGA  
 GAAACCCATAAATGTAGTGACTGTGGGAAAGCCTTCAGTTGAAATCACACCTTATTGAGCATCAAAGA  
 ACTCACACTGGTGAAGAACCTTACTACTGTACCAATGTAAAGAGAGCTTATGTCGAAATTCATTGCTTG  
 TTGAGCATCAAAGAAATTCACACTGGGAAAAGACCCATAAATGTGGTGAATGTGGGAAAGCCTTTCGATT  
 AAGCACATACCTTATAACAACCAAAAAATTCACACTGGCGAGAAGCCTTTTCTTGTATTGAGTGTGGA  
 AAAAGTTTCAGTCGGAGCTCATTCTTATTGAACATCAGAGGATCCATACTGGTGAAGACCTTATCAGT  
 GCAAAGAGTGTGGGAAAAGTTTCAGTCAGCTTTGCAACCTTACTCGTCATCAGAGAATTCACACAGGAGA  
 CAAGCCCCATAAATGTGAGGAATGTGAAAAGCCTTTAGTAGAAGCTCAGGTCTTATTAGCATCAGAGA  
 ATTCACACCAGGAGAAGACTTATCCATACAATGAAACTAAGGAAAAGTTTTGATCCAAATTCAGCTCTG  
 TTATACAGCAGGAAGTCTACCCTAAGGAGAAATCTTATAAATGTGATGAATGTGGGAAAAGTTTTAGTGT  
 TAGTGCTCATCTGTACAACATCAAAGAATCCACACTGGTGAAGAACCTTATCTATGACTGTCTGTGGG  
 AAAAGCTTCAGCCGAGCTCATTCTTATTGAACATCAGAGAATCCACACTGGTGAAGAACCTTATCTGT  
 GCAGACAGTGTGGAAAAGCTTTAGTCAGCTTTGTAATCTTATTCGACATCAGGGTGTTCACACAGGTAA  
 TAAACCCATAAATGTGATGAATGTGAAAGCCTTTAGCCGAACTCGGGTCTTATTAGCATCAGAGA  
 ATACACACAGGAGAGAAACCTTATAAGTGTGAGAAGTGCACAAAAGTTTCAGTCAACAGCGCAGTCTTG  
 TCAACCATCAGAAGATCCATGCAGAGGTGAAAACCAAGAAACCCATGAATGTGACGCTTGTGGTGAAGC  
 CTTAATTGCCGTATTTCTTATTAGCATCAGAAAATTCACACAGCATGGATGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC217848 representing NM\_003452  
 Red=Cloning site Green=Tags(s)

MASPPPPESKGLLTFEDVAVFFTQEEWDYLDPAQRSLYKDVMMENYGNLVSLDVLNRDKDEEPTVKQEI  
 EEEEEVEPQGVIVTRIKSEIDQDPMGRETFELVGRLDKQRGIFLWEIPRESLTQEQRMFRENTNIIRKR  
 PNSEEKCHKCEECGKGFVRKAHF IQHQRVHTGEKPFQCNCEGKSF SRSSFVIEHQRIHTGERPYECNYCG  
 KTF SVSSTLIRHQRIHTGERPYQCNQCKQSF SQRRLVKHQRIHTGEKPHKCSDCGKAF SWKSHL IEHQ  
 THTGEKPYHCTKCKKSF SRNSLLVEHQRIHTGERPHKCGECGKAFRLSTYLIHQKIHTGEKPF LCIECG  
 KSF SRSSF LIEHQRIHTGERPYQCKEKGKSF SQLCNL TRHQRIHTGDKPHKCEECGKAF SRSSGL IQHQ  
 IHTREKTYPNETKESFDPNCSLVIQQEVYPKEKSYKCDECGKTF SVSAHLVQHQRHTGEKPYLCTVCG  
 KSF SRSSF LIEHQRIHTGERPYL CRQCKGKSF SQLCNLIRHQGVHTGNKPHKCEECGKAF SRNSGL IQHQ  
 IHTGEKPYKCEKDKSFSQQRSLVNHQKIHAEVKTQETHECDACGEAFNCRISLIHQKHLHTAWMQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8070\\_d08.zip](https://cdn.origene.com/chromatograms/mk8070_d08.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_003452

ORF Size: 1878 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\\_003452.4](#)

RefSeq Size: 3186 bp

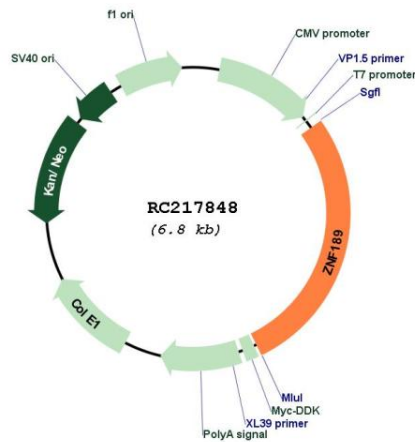
RefSeq ORF: 1881 bp

Locus ID: 7743

UniProt ID: [O75820](#)

<b>Cytogenetics:</b>	9q31.1
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	72.8 kDa
<b>Gene Summary:</b>	Kruppel-like zinc finger proteins such as ZNF189 contain a conserved stretch of 7 amino acids that connects a variable number of DNA-binding zinc finger repeats of the cys(2)his(2) (C2H2) type (summarized by Odeberg et al., 1998 [PubMed 9653648]). Approximately 30% of human Kruppel-like zinc finger proteins contain an N-terminal Kruppel-associated box (KRAB) domain. The KRAB domain consists of approximately 75 amino acids that may be subdivided into an A box, which is present in every KRAB domain and is essential for transcriptional repression, and a B box, which is not always present.[supplied by OMIM, May 2010]

**Product images:**



Circular map for RC217848