

Product datasheet for **RC239085**

ZNF189 (NM_001278231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_001278231) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239085 representing NM_001278231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTCCCCGAGCCCCCGCCGGAGTGAAGGAGGAGTGGATTATCTGGACCCAGCTCAGAGAAGCC
 TGTATAAAGATGTCATGATGGAGAATTATGAAAACCTGGTCTCACTGGATTGTTTGAACAGAGATAAGGA
 TGAGGAGCCAACGTAAAACAAGAGATTGAAGAAATTGAGGAAGAAGTGAACCCAGAGGTGTAATAGTT
 ACAAGAATCAAAAGTGAATTGACCAGGATCCTATGGGTAGAGAAACATTTGAACCTGTTGGTAGGTTAG
 ATAAACAAAGAGGGATCTTCCTATGGGAAATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTTCAG
 AGAAAACACTAACATTATCCGTAAGACCAAACTCAGAAGAGAAATGCCATAATGTGAAGAATGTGGA
 AAGGGTTTTGCCGAAGGCCATTTTCATTCAACATCAAAGGGTCCATACTGGTGAGAAACCTTTTCAGT
 GCAATGAATGTGGAAAAGTTTTAGTCGCAGTTCATTTGTTATTGAACATCAGAGAATTCACACTGGGGA
 AAGGCCATGAGTGAATTAAGTGTGAAAAACCTTTAGTGTGAGCTCAACCTTATTAGACATCAGAGA
 ATCCACACTGGAGAAAGACCTATCAGTGAATCAGTGAACAGAGCTTCAGCCAGAGAAGGAGCCTTG
 TTAACATCAAAGGATTCATACAGGTGAGAAACCCATAAATGTAGTGACTGTGGGAAAGCCTTCAGTTG
 GAAATCACACCTTATTGAGCATCAAAGAACTCACACTGGTGAGAAACCTTATCACTGTACCAATGTAAG
 AAGAGCTTTAGTCGAAATTCATTGCTTGTGAGCATCAAAGAAATTCACACTGGGGAAGACCCATAAAT
 GTGGTGAATGTGGGAAAGCCTTTTCGATTAAGCACATACCTTATACAACACCAAAAAATTCACACTGGCGA
 GAAGCCTTTCTTTGATTGAGTGTGAAAAAGTTTCAGTCGGAGCTCATTCTTATTGAACATCAGAGG
 ATCCATACTGGTGAAGACCTTATCAGTGCAAAGAGTGTGGGAAAAGTTTCAGTCAGCTTTGCAACCTTA
 CTCGTCATCAGAGAATTCACACAGGAGACAAGCCCAATAAATGTGAGGAATGTGGAAAAGCCTTTAGTAG
 AAGCTCAGGTCTTATTCAGCATCAGAGAATTCACACCAGGAGAAAGACTTATCCATAACAATGAAACTAAG
 GAAAGTTTTGATCCAATTCAGTCTTGTATACAGCAGGAAGTCTACCCTAAGGAGAAATCTTATAAAT
 GTGATGAATGTGGGAAAACCTTTAGTGTAGTGCTCATCTTGTACAACATCAAAGAAATCCACACTGGTGA
 AAAGCCCTATCTATGACTGTCTGTGGGAAAAGCTTCAGCCGGAGCTCATTCTTATTGAACATCAGAGA
 ATCCACACTGGTGAAGACCTATCTGTGCAGACAGTGTGAAAAAGCTTTAGTCAGCTTTGTAATCTTA
 TTCGACATCAGGGTGTTCACACAGGTAATAAACCATAAATGTGATGAATGTGGAAAGCCTTTAGCCG
 GAACTCGGGTCTTATTCAGCATCAGAGAATACACAGGAGAGAAACCTTATAAGTGTGAGAAGTCCGAC
 AAAAGTTTCAGTCAACAGCGCAGTCTTGTCAACCATCAGAAGATCCATGCAGAGGTGAAAACCAAGAAA
 CCCATGAATGTGACGCTTGTGGTGAAGCCTTTAATTGCCGTATTCTCTTATTACAGCATCAGAAATTGCA
 CACAGCATGGATGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239085 representing NM_001278231
 Red=Cloning site Green=Tags(s)

MASPPPPESKEEWYLDPAQRSLYKDVMMENYGNLVSLDVLNRDKDEEPTVKQIEEIEEEVEPQGVIV
 TRIKSEIDQDPMGRETFELVGRLDKQRGIFLWEIPRESLTQEQRMFRENTNIIRKRPNSEEKCHKCEECCG
 KGFVRKAHFIQHQRVHTGEKPFQCNCEGKSFSSSFVIEHQRIHTGERPYECNYCGKTFSVSSTLIRHQR
 IHTGERPYQCNQCKQSFSSQRSLVKHQRIHTGEKPHKSCDCGKAFSWKSHLIEHQRTHTGEKPYHCTKCK
 KFSRNSLLVEHQRIHTGERPHKCGECGKAFRLSTYLIHQHQIHTGEKPFLEICGKSFSSSFLIEHQR
 IHTGERPYQCKEKGKSFSQLCNLTRHQRIHTGDKPHKCEEKGKAFSSSGLIHQHQRIHTREKTYPNYETK
 ESFDPNCSLVIQQEVYPKEKSYKDCGKTFVSAHLVQHQRHTGEKPYLCTVCGKSFSSSFLIEHQR
 IHTGERPYLQRQCGKSFSQLCNLIRHQVHTGNKPHKCEEKGKAFSSSGLIHQHQRIHTGEKPYKCEKCD
 KSFSQQRSLVNHQKIHAEVKTQETHCEDACGEAFNCRISLIHQHKLHTAWMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001278231

ORF Size: 1836 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_001278231.2](#)

RefSeq Size: 3171 bp

RefSeq ORF: 1839 bp

Locus ID: 7743

UniProt ID: [O75820](#)

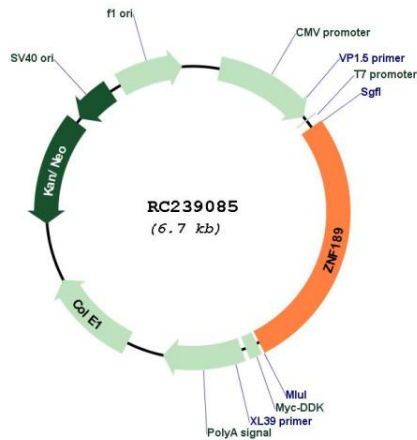
Cytogenetics: 9q31.1

Protein Families: Transcription Factors

MW: 71.9 kDa

Gene Summary: 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 RC239085