

Product datasheet for **RC239081**

ZNF189 (NM_001278232) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_001278232) 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:

>RC239081 representing NM_001278232
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTCCCGAGCCCCCGCCGGAGTGAAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGCCTGT
 ATAAAGATGTCATGATGGAGAATTATGGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAGGATGA
 GGAGCCAACTGTAAAACAAGAGATTGAAGAAATTGAGGAAGAAGTGAACCCACAGGGTGTATAGTTACA
 AGAATCAAAGTGAATTGACCAGGATCCTATGGGTAGAGAAACATTTGAACTTGTGGTAGGTTAGATA
 AACAAAGAGGGATCTTCCTATGGGAAATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTAGAGA
 AAACACTAACATTATCCGTAAGACCAAACTCAGAAGAGAAATGCCATAAATGTGAAGAATGTGGAAAG
 GGTGGTCCGCAAGGCCATTTTATTCAACATCAAAGGGTCCATACTGGTGAGAAACCTTTTCAGTGCA
 ATGAATGTGGGAAAAGTTTTAGTCGCAGTTCATTTGTTATTGAACATCAGAGAATTCACACTGGGAAAAG
 GCCCTATGAGTGAATTACTGTGAAAAACCTTTAGTGTGAGCTCAACCCTTATTAGACATCAGAGAATC
 CACACTGGAGAAAAGCCCTATCAGTGAATCAGTGTAAACAGAGCTTCAGCCAGAGAAGGAGCCTTGTTA
 AACATCAAAGGATTCATACAGGTGAGAAAACCCATAAATGTAGTGACTGTGGGAAAAGCCTTCAGTTGGAA
 ATCACACCTTATTGAGCATCAAAGAACTCACACTGGTGAGAAAACCTTATCACTGTACCAATGTAAGAAG
 AGCTTTAGTCGAAATTCATTGCTTGTGAGCATCAAAGAAATTCACACTGGGAAAAGACCCATAAATGTG
 GTGAATGTGGGAAAAGCCTTTGATTAAGCACATACCTTATACAACACCAAAAAATTCACACTGGCGAGAA
 GCCTTTCTTTGTATTGAGTGTGAAAAAGTTTCAGTCGGAGCTCATTCTTATTGAACATCAGAGGATC
 CATACTGGTGAAGACCTTATCAGTGAAGAGTGTGGGAAAAGTTTCAGTCAGCTTTGCAACCTTACTC
 GTCATCAGAGAATTCACACAGGAGACAAGCCCATAAATGTGAGGAATGTGAAAAAGCCTTTAGTAGAAG
 CTCAGGTCTTATTAGCATCAGAGAATTCACACAGGGAGAAGACTTATCCATACAATGAAACTAAGGAA
 AGTTTTGATCCAAATGCAGTCTTGTATACAGCAGGAAGTCTACCCTAAGGAGAATCTTATAAATGTG
 ATGAATGTGGGAAAAGTTTTAGTGTAGTGTCTCTTGTACAACATCAAAGAAATCCACACTGGTAAAA
 GCCCTATCTATGTACTGTCTGTGGGAAAAGCTTCAGCCGGAGCTCATTCTTATTGAACATCAGAGAATC
 CACACTGGTGAGAGACCCTATCTGTGCAGACAGTGTGAAAAAGCTTTAGTCAGCTTTGTAATCTTATTC
 GACATCAGGGTGTTCACACAGGTAATAAACCCATAAATGTGATGAATGTGAAAAGCCTTTAGCCGGAA
 CTCGGGTCTTATTAGCATCAGAGAATACACACAGGAGAGAAACCTTATAAGTGTGAGAAGTGCACAAA
 AGTTTCAGTCAACAGCGCAGTCTTGTCAACCATCAGAAGATCCATGCAGAGGTGAAAACCAAGAAACCC
 ATGAATGTGACGCTTGTGGTGAAGCCTTTAATTGCCGTATTTCTTATTAGCATCAGAAATGCACAC
 AGCATGGATGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239081 representing NM_001278232
 Red=Cloning site Green=Tags(s)

MASPPPPESKEWDYLDPAQRSLYKDVMMENYGNLVSLDVLNRDKDEEPTVKQIEIEIEEVEPQGVIVT
 RIKSEIDQDPMGRETFELVGRDLKQRGIFLWEIPRESLTQEQRMFRENTNIIIRKRNSEEKCHKCEECKG
 GFVRKAHF IQHQRVHTGEKPFQCNCEGKSF SRSSFVIEHQRIHTGERPYECNYCGKTF SVSSTLIRHQRI
 HTGERPYQCNQCKQSF SQRSLVKHQRIHTGEKPHKCSDCGKAF SWKSHLIEHQRTHTGEKPYHCTKCKK
 SFSRNSLLVEHQRIHTGERPHKCGEGKAFRLSTYLIQHQQIHTGEKPFLEICGKSF SRSSFLEIHQRI
 HTGERPYQCKEKGKSFSQLCNL TRHQRIHTGDKPHKCEEKAF SRSSGLIQHQRIHTREKTYPYNETKE
 SFDPNCSLVIQQEVYYPKEKSYKDECGKTF SVSAHLVQHQRHTGEKPYLCTVCGKSF SRSSFLEIHQRI
 HTGERPYLCRQCKGKSFSQLCNLIRHQGVHTGNKPHKCEEKAF SRNSGLIQHQRIHTGEKPYKCEKCDK
 SFSQQRSLVNHQKIHAEVKTQETHECDACGEAFNCRISLIQHQLHTAWMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001278232

ORF Size: 1833 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_001278232.2](#)

RefSeq Size: 3168 bp

RefSeq ORF: 1836 bp

Locus ID: 7743

UniProt ID: [O75820](#)

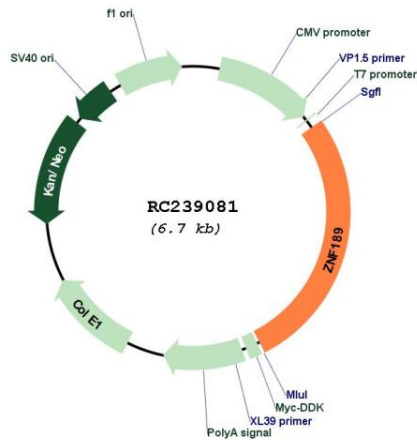
Cytogenetics: 9q31.1

Protein Families: Transcription Factors

MW: 71.7 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 RC239081