

Product datasheet for **RC217964**

ZNF189 (NM_197977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_197977) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF189
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC217964 representing NM_197977
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCCCCGAGCCCCCGCCGGAGTGAAGGGTTGCTGACATTTGAGGATGTGGCTGTGTTTTTTA
 CCCAGGAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGCCTGTATAAAGATGTCATGATGGAGAATTA
 TGGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAGGATGAGGAGCCAACCTGTAAAACAAGAGATT
 GAAGAAATTGAGGAAGAAGTGAACACAGGGTGAATAGTTACAAGAATCAAAAGTGAAATTGACCAGG
 ATCCTATGGGTAGAGAAACATTTGAACTTGTGGTAGGTAGATAAAACAAGAGGGATCTTCCTATGGGA
 AATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTAGAGAAAACACTAACATTATCCGTAAGA
 CCAAACCTCAGAAGAGAAATGCCATAAATGTGAAGAATGTGAAAGGGTTTTGTCGCAAGGCCCATTTCA
 TTCAACATCAAAGGTCCATACTGGTGAGAAACCTTTTTCAGTGAATGAATGTGGGAAAAGTTTTAGTCCG
 CAGTTCATTTGTTATTGAACATCAGAGAATTCACACTGGGAAAAGGCCCTATGAGTGAATTTACTGTGGA
 AAAACCTTTAGTGTGAGCTCAACCTTATTAGACATCAGAGAATCCACACTGGAGAAAGACCCCTATCAGT
 GTAATCAGTGTAAACAGAGCTTCAGCCAGAGAAGGAGCCTTGTAAACATCAAAGGATTCATACAGGTGA
 GAAACCCATAAATGTAGTGACTGTGGGAAAGCCTTCAGTTGAAATCACACCTTATTGAGCATCAAAGA
 ACTCACACTGGTGAAGAACCTTATCACTGTACCAATGTAAAGAGAGCTTATGTCGAAATTCATTGCTTG
 TTGAGCATCAAAGAAATTCACACTGGGAAAAGACCCATAAATGTGGTGAATGTGGGAAAGCCTTTCGATT
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 GCAGACAGTGTGGAAAAGCTTTAGTCAGCTTTGTAATCTTATTCGACATCAGGGTGTTCACACAGGTAA
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 ATACACACAGGAGAGAAACCTTATAAGTGTGAGAAGTGCACAAAAGTTTCAGTCAACAGCGCAGTCTTG
 TCAACCATCAGAAGATCCATGCAGAGGTGAAAACCAAGAAACCCATGAATGTGACGCTTGTGGTGAAGC
 CTTAATTGCCGTATTTCTTATTTCAGCATCAGAAATTGCACACAGCATGGATGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217964 representing NM_197977
 Red=Cloning site Green=Tags(s)

MASPPPPESKGLLTFEDVAVFFTQEEWDYLDPAQRSLYKDVMMENYGNLVSLDVLNRDKDEEPTVKQEI
 EEIEEEVEPQGVIVTRIKSEIDQDPMGRETFELVGRLDKQRGIFLWEIPRESLTQEQRMFRENTNIRKR
 PNSEEKCHKCEECGKGFVRKAHF IQHQRVHTGKPFQCNCEGKSF SRSSFVIEHQRIHTGERPYECNYCG
 KTF SVSSTLIRHQRIHTGERPYQCNQCKQSF SQRSLVKHQRIHTGKPKHCSDCGKAF SWKSHLIEHQ
 THTGKPYHCKCKSF SRNSLLVEHQRIHTGERPHKCGECGKAFRLSTYLIHQKRIHTGKPFLEIECG
 KSFSRSSLIEHQRIHTGERPYQCKEKGKSF SQLCNL TRHQRIHTGDKPHKCEECGKAF SRSSGLIQHQ
 IHTREKTYPYNETKESFDPNCSLVIQQEVYPKEKSYKCDCEGKTF SVSAHLVQHQRHTGKPYLCTVCG
 KSFSRSSLIEHQRIHTGERPYL CRQCGKSF SQLCNLIRHQGVHTGNKPHKCDCEGKAF SRNSGLIQHQ
 IHTGKPYKCEKDKSF SQQRSLVNHQKIHAEVKTQETHECDACGEAFNCRISLIHQKQLHTAWMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

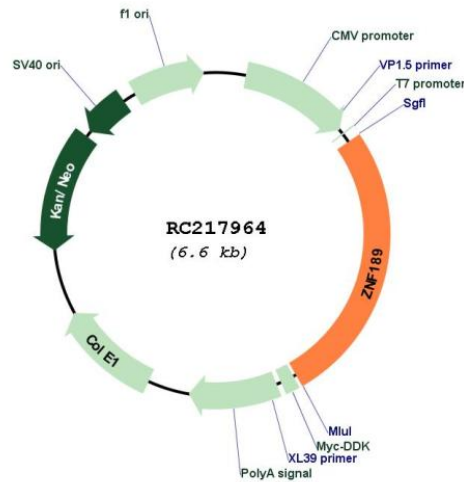
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_197977
 ORF Size: 1881 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:	<ol style="list-style-type: none">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_197977.1 , NM_197977.2 , NP_932094.1
RefSeq Size:	3307 bp
RefSeq ORF:	1755 bp
Locus ID:	7743
UniProt ID:	O75820
Cytogenetics:	9q31.1
Protein Families:	Transcription Factors
MW:	73 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]