

Product datasheet for **RG217964**

ZNF189 (NM_197977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_197977) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217964 representing NM_197977
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTCCCCGAGCCCCCGCCGGAGTGAAGGGTTGCTGACATTTGAGGATGTGGCTGTGTTTTTTA
 CCCAGGAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGCCTGTATAAAGATGTCATGATGGAGAATTA
 TGGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAGGATGAGGAGCCAACCTGTAACAAAGAGATT
 GAAGAAATTGAGGAAGAAGTGAACACAGGGTGAATAGTTACAAGAATCAAAAGTGAAATTGACCAGG
 ATCCTATGGGTAGAGAAACATTTGAACTTGTGGTAGGTAGATAAACAAAGAGGGATCTTCTATGGGA
 AATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTAGAGAAAACACTAACATTATCCGTAAGA
 CCAAACCTCAGAAGAGAAATGCCATAAATGTGAAGAATGTGAAAGGGTTTTGTCGCAAGGCCCATTTCA
 TTCAACATCAAAGGTCCATACTGGTGAGAAACCTTTTTCAGTGAATGAATGTGGGAAAAGTTTTAGTCCG
 CAGTTCATTTGTTATTGAACATCAGAGAATTCACACTGGGAAAGGCCCTATGAGTGAATTTACTGTGGA
 AAAACCTTTAGTGTGAGCTCAACCTTATTAGACATCAGAGAATCCACACTGGAGAAAGACCTATCAGT
 GTAATCAGTGTAAACAGAGCTTCAGCCAGAGAAGGAGCCTTGTAAACATCAAAGGATTCATACAGGTGA
 GAAACCCATAAATGTAGTGACTGTGGGAAAGCCTTCAGTTGAAATCACACCTTATTGAGCATCAAAGA
 ACTCACACTGGTGAAGAACCTTATCACTGTACCAATGTAAAGAGAGCTTATGTCGAAATTCATTGCTTG
 TTGAGCATCAAAGAAATTCACACTGGGAAAAGACCCATAAATGTGGTGAATGTGGGAAAGCCTTTCGATT
 AAGCACATACCTTATAACAACCAAAAAATTCACACTGGCGAGAAGCCTTTTCTTGTATTGAGTGTGGA
 AAAAGTTTCAGTCGGAGCTCATTCTTATTGAACATCAGAGGATCCATACTGGTGAAGACCTTATCAGT
 GCAAAGAGTGTGGGAAAAGTTTCAGTCAGCTTTGCAACCTTACTGTCATCAGAGAATTCACACAGGAGA
 CAAGCCCCATAAATGTGAGGAATGTGAAAAGCCTTTAGTAGAAGCTCAGGTCTTATTACAGCATCAGAGA
 ATTCACACCAGGAGAAGACTTATCCATACAATGAAACTAAGGAAAAGTTTTGATCCAAATTCAGCTCTTG
 TTATACAGCAGGAAGTCTACCCTAAGGAGAAATCTTATAAATGTGATGAATGTGGGAAAAGTTTTAGTGT
 TAGTGCTCATCTGTACAACATCAAAGAATCCACACTGGTGAAGAACCTTATCTATGACTGTCTGTGGG
 AAAAGCTTCAGCCGAGCTCATTCTTATTGAACATCAGAGAATCCACACTGGTGAAGAACCTTATCTGT
 GCAGACAGTGTGGAAAAGCTTTAGTCAGCTTTGTAATCTTATTCGACATCAGGGTGTTCACACAGGTAA
 TAAACCCATAAATGTGATGAATGTGAAAGCCTTTAGCCGAACTCGGGTCTTATTACAGCATCAGAGA
 ATACACACAGGAGAGAAACCTTATAAGTGTGAGAAGTGCACAAAAGTTTCAGTCAACAGCGCAGTCTTG
 TCAACCATCAGAAGATCCATGCAGAGGTGAAAACCAAGAAACCCATGAATGTGACGCTTGTGGTGAAGC
 CTTAATTGCCGTATTTCTTATTACAGCATCAGAAATTCACACAGCATGGATGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217964 representing NM_197977
 Red=Cloning site Green=Tags(s)

MASPSPPPEKGLLTFEDVAVFFTQEEWDYLDPAQRSLYKDVMMENYGNLVSLDVLNRDKDEEPTVKQEI
 EEIEEEVEPQGVIVTRIKSEIDQDPMGRETFELVGRDKQRGIFLWEIPRESLTQEQRMFRENTNIRKR
 PNSEKCHKCEECGKGFVRKAHF IQHQRVHTGEKPFQCNCEGKSF SRSSFVIEHQRIHTGERPYECNYCG
 KTFVSSTLIRHQRHTGERPYQCNQCKQSF SQRSLVKHQRHTGEKPHKCSDCGKAF SWKSHL IEHQR
 THTGEKPYHCTKCKKSF SRNSLL VEHQRHTGERPHKCGECGKAFRL STYL IQHQIHTGEKPFLEICG
 KSF SRSSF LIEHQRIHTGERPYQCKEKGKSF SQLCNL TRHQRHTGDKPHKCEECGKAF SRSSGL IQHQR
 IHTREKTYPYNETKESFDPNCSLVIQQEVYPKEKSYKCDCEGKTF SVSAHLVQHQRHTGEKPYLCTVCG
 KSF SRSSF LIEHQRIHTGERPYLCRQCGKSF SQLCNL IRHQVHTGNKPHKCEECGKAF SRNSGL IQHQR
 IHTGEKPYKCEKCDKSF SQQRSLVNHQKIHAEVKTQETHECDACGEAFNCRISLIHQHKLHTAWMQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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:

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](#), [NP_932094.1](#)

RefSeq Size: 3307 bp

RefSeq ORF: 1755 bp

Locus ID: 7743

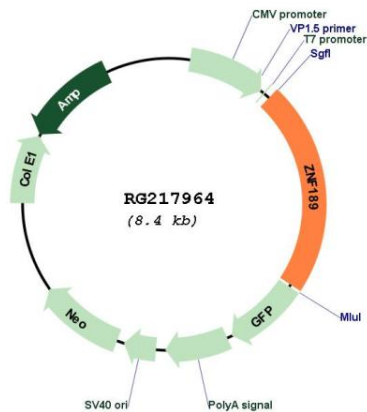
UniProt ID: [O75820](#)

Cytogenetics: 9q31.1

Protein Families: Transcription Factors

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 RG217964