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Product datasheet for RG217848

ZNF189 (NM_003452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_003452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG217848 representing NM_003452
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCCCCGAGCCCCCCGCCGGAGTCGAAGGGGTTGCTGACATTTGAGGATGTGGCTGTGTTTTTTA
CCCAGGAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGCCTGTATAAAGATGTCATGATGGAGAATTA
TGGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAGGATGAGGAGCCAACTGTAAAACAAGAGATT
GAAGAAATTGAGGAAGAAGTGGAACCACAGGGTGTAATAGTTACAAGAATCAAAAGTGAAATTGACCAGG
ATCCTATGGGTAGAGAAACATTTGAACTTGTTGGTAGGTTAGATAAACAAAGAGGGATCTTCCTATGGGA
AATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTCAGAGAAAACACTAACATTATCCGTAAAAGA
CCAAACTCAGAAGAGAAATGCCATAAATGTGAAGAATGTGGAAAGGGTTTTGTCCGCAAGGCCCATTTCA
TTCAACATCAAAGGGTCCATACTGGTGAGAAACCTTTTCAGTGCAATGAATGTGGGAAAAGTTTTAGTCG
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AAAACCTTTAGTGTGAGCTCAACCCTTATTAGACATCAGAGAATCCACACTGGAGAAAGACCCTATCAGT
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GAAACCCCATAAATGTAGTGACTGTGGGAAAGCCTTCAGTTGGAAATCACACCTTATTGAGCATCAAAGA
ACTCACACTGGTGAGAAACCTTATCACTGTACCAAATGTAAGAAGAGCTTTAGTCGAAATTCATTGCTTG
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AAAAGCTTCAGCCGGAGCTCATTTCTTATTGAACATCAGAGAATCCACACTGGTGAGAGACCCTATCTGT
GCAGACAGTGTGGAAAAAGCTTTAGTCAGCTTTGTAATCTTATTCGACATCAGGGTGTTCACACAGGTAA
TAAACCCCATAAATGTGATGAATGTGGAAAGGCCTTTAGCCGGAACTCGGGTCTTATTCAGCATCAGAGA
ATACACACAGGAGAGAAACCTTATAAGTGTGAGAAGTGCGACAAAAGTTTCAGTCAACAGCGCAGTCTTG
TCAACCATCAGAAGATCCATGCAGAGGTGAAAACCCAAGAAACCCATGAATGTGACGCTTGTGGTGAAGC
CTTTAATTGCCGTATTTCTCTTATTCAGCATCAGAAATTGCACACAGCATGGATGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

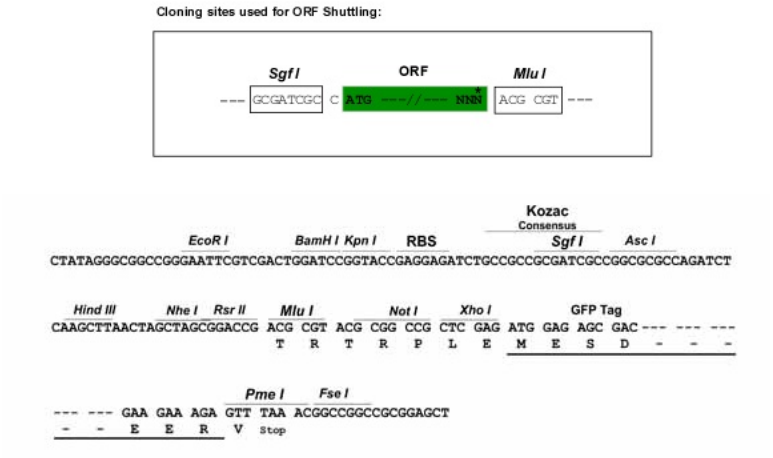
>RG217848 representing NM_003452
Red=Cloning site Green=Tags(s)

MASPSPPPESKGLLTFEDVAVFFTQEEWDYLDPAQRSLYKDVMMENYGNLVSLDVLNRDKDEEPTVKQEI
EEIEEEVEPQGVIVTRIKSEIDQDPMGRETFELVGRLDKQRGIFLWEIPRESLTQEQRMFRENTNIIRKR
PNSEEKCHKCEECGKGFVRKAHFIQHQRVHTGEKPFQCNECGKSFSRSSFVIEHQRIHTGERPYECNYCG
KTFSVSSTLIRHQRIHTGERPYQCNQCKQSFSQRRSLVKHQRIHTGEKPHKCSDCGKAFSWKSHLIEHQR
THTGEKPYHCTKCKKSFSRNSLLVEHQRIHTGERPHKCGECGKAFRLSTYLIQHQKIHTGEKPFLCIECG
KSFSRSSFLIEHQRIHTGERPYQCKECGKSFSQLCNLTRHQRIHTGDKPHKCEECGKAFSRSSGLIQHQR
IHTREKTYPYNETKESFDPNCSLVIQQEVYPKEKSYKCDECGKTFSVSAHLVQHQRIHTGEKPYLCTVCG
KSFSRSSFLIEHQRIHTGERPYLCRQCGKSFSQLCNLIRHQGVHTGNKPHKCDECGKAFSRNSGLIQHQR
IHTGEKPYKCEKCDKSFSQQRSLVNHQKIHAEVKTQETHECDACGEAFNCRISLIQHQKLHTAWMQ

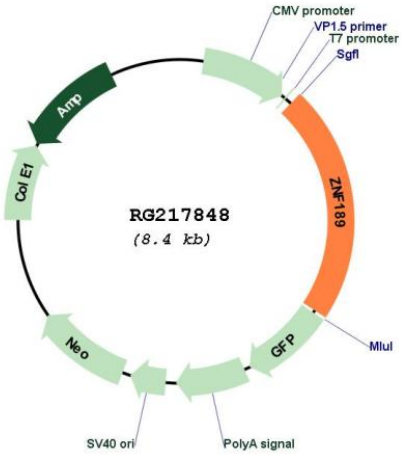
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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
Cytogenetics:	9q31.1
Domains:	KRAB, zf-C2H2
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]