

Product datasheet for **RG235527**

ZNF189 (NM_001278240) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF189 (NM_001278240) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZNF189
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235527 representing NM_001278240.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTTCCCCGAGCCCCCGCCGGAGTCGAAGGAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGC
CTGTATAAAGATGTATGATGGAGAATTATGAAACCTGGTCTCACTGGGTCTCACTCTATTGCCTAGG
CTGGTGTGCAGCGACGCAAAACACAGCTTGCTGCAGCCTAACCTGTTGGGCTTAAGTGATCAATCCTCC
CACCTCAGCTACCTGAGTAGCTGGGACTACAGATGTTTTGAACAGAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235527
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MASPSPPPEskeewDYLDPaQRsLYKdVMMENyGNLVSLGLTLLPRLVCSdANTACCSLNLGLSDQSS
HLSYLSSWdyRCFEQR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAInNGGYnTRIEKYEDGGVLHVSFSYRYEAGRVIgDFKVMGTGFPEd
SVIFtdKIIRSNATVEHLHPMGdNDLDGSfTRfSLRDGGYSSVdSHMHFKSAIHPSILQNGGPMfA
FRrVEEDHSntELGIvEQHAFKTPDADAGEERv
```

Restriction Sites: Sgfl-Mlul



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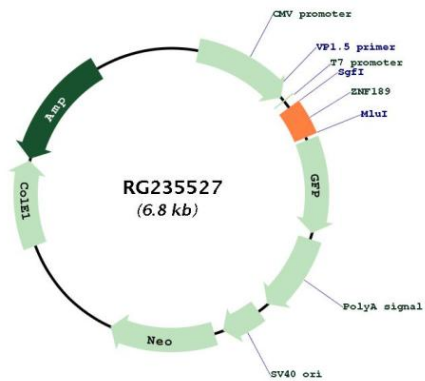
Cloning Scheme:


- ACCN:** NM_001278240
- ORF Size:** 255 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).
- RefSeq:** [NM_001278240.1](#), [NP_001265169.1](#)
- RefSeq Size:** 3292 bp
- RefSeq ORF:** 258 bp
- Locus ID:** 7743
- UniProt ID:** [O75820](#)
- Cytogenetics:** 9q31.1
- Protein Families:** Transcription Factors

MW: 10.1 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 RG235527