

Product datasheet for **SC336979**

ZNF189 (NM_001278231) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF189 (NM_001278231) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

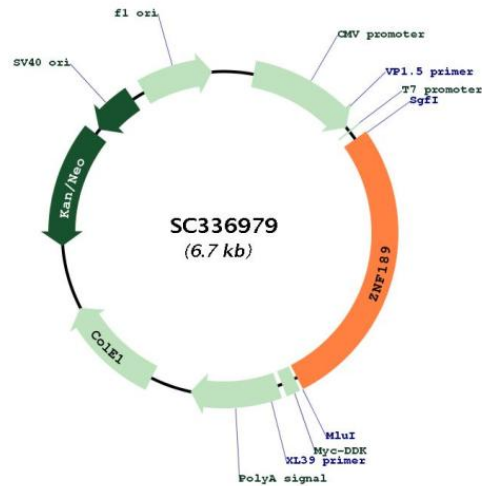


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Fully Sequenced ORF: >SC336979 representing NM_001278231.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTTCCCCGAGCCCCCGCCGGAGTCGAAGGAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGC
CTGTATAAAGATGTCATGATGGAGAATTATGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAG
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CCTTATAAGTGTGAGAAGTGCACAAAAGTTTCAGTCAACAGCGCAGTCTTGCAACCATCAGAAGATC
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TCTCTTATTTCAGCATCAGAAATTGCACACAGCATGGATGCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001278231

Insert Size: 1839 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001278231.1](#)

RefSeq Size: 3171 bp

RefSeq ORF: 1839 bp

Locus ID: 7743

UniProt ID: [O75820](#)

Cytogenetics: 9q31.1

Protein Families: Transcription Factors

MW: 71.4 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]

Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.