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# Product datasheet for SC336975

## ZNF189 (NM_001278232) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ZNF189 (NM_001278232) 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:**

>SC336975 representing NM_001278232.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTCCCCGAGCCCCCCGCCGGAGTCGAAGGAGTGGGATTATCTGGACCCAGCTCAGAGAAGCCTG
TATAAAGATGTCATGATGGAGAATTATGGAAACCTGGTCTCACTGGATGTTTTGAACAGAGATAAGGAT
GAGGAGCCAACTGTAAAACAAGAGATTGAAGAAATTGAGGAAGAAGTGGAACCACAGGGTGTAATAGTT
ACAAGAATCAAAAGTGAAATTGACCAGGATCCTATGGGTAGAGAAACATTTGAACTTGTTGGTAGGTTA
GATAAACAAAGAGGGATCTTCCTATGGGAAATACCAAGGGAATCTTTGACCCAGGAACAGAGAATGTTC
AGAGAAAACACTAACATTATCCGTAAAAGACCAAACTCAGAAGAGAAATGCCATAAATGTGAAGAATGT
GGAAAGGGTTTTGTCCGCAAGGCCCATTTCATTCAACATCAAAGGGTCCATACTGGTGAGAAACCTTTT
CAGTGCAATGAATGTGGGAAAAGTTTTAGTCGCAGTTCATTTGTTATTGAACATCAGAGAATTCACACT
GGGGAAAGGCCCTATGAGTGTAATTACTGTGGAAAAACCTTTAGTGTGAGCTCAACCCTTATTAGACAT
CAGAGAATCCACACTGGAGAAAGACCCTATCAGTGTAATCAGTGTAAACAGAGCTTCAGCCAGAGAAGG
AGCCTTGTTAAACATCAAAGGATTCATACAGGTGAGAAACCCCATAAATGTAGTGACTGTGGGAAAGCC
TTCAGTTGGAAATCACACCTTATTGAGCATCAAAGAACTCACACTGGTGAGAAACCTTATCACTGTACC
AAATGTAAGAAGAGCTTTAGTCGAAATTCATTGCTTGTTGAGCATCAAAGAATTCACACTGGGGAAAGA
CCCCATAAATGTGGTGAATGTGGGAAAGCCTTTCGATTAAGCACATACCTTATACAACACCAAAAAATT
CACACTGGCGAGAAGCCTTTTCTTTGTATTGAGTGTGGAAAAAGTTTCAGTCGGAGCTCATTCCTTATT
GAACATCAGAGGATCCATACTGGTGAAAGACCTTATCAGTGCAAAGAGTGTGGGAAAAGTTTCAGTCAG
CTTTGCAACCTTACTCGTCATCAGAGAATTCACACAGGAGACAAGCCCCATAAATGTGAGGAATGTGGA
AAAGCCTTTAGTAGAAGCTCAGGTCTTATTCAGCATCAGAGAATTCACACCAGGGAGAAGACTTATCCA
TACAATGAAACTAAGGAAAGTTTTGATCCAAATTGCAGTCTTGTTATACAGCAGGAAGTCTACCCTAAG
GAGAAATCTTATAAATGTGATGAATGTGGGAAAACTTTTAGTGTTAGTGCTCATCTTGTACAACATCAA
AGAATCCACACTGGTGAAAAGCCCTATCTATGTACTGTCTGTGGGAAAAGCTTCAGCCGGAGCTCATTT
CTTATTGAACATCAGAGAATCCACACTGGTGAGAGACCCTATCTGTGCAGACAGTGTGGAAAAAGCTTT
AGTCAGCTTTGTAATCTTATTCGACATCAGGGTGTTCACACAGGTAATAAACCCCATAAATGTGATGAA
TGTGGAAAGGCCTTTAGCCGGAACTCGGGTCTTATTCAGCATCAGAGAATACACACAGGAGAGAAACCT
TATAAGTGTGAGAAGTGCGACAAAAGTTTCAGTCAACAGCGCAGTCTTGTCAACCATCAGAAGATCCAT
GCAGAGGTGAAAACCCAAGAAACCCATGAATGTGACGCTTGTGGTGAAGCCTTTAATTGCCGTATTTCT
CTTATTCAGCATCAGAAATTGCACACAGCATGGATGCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** SgfI-MluI

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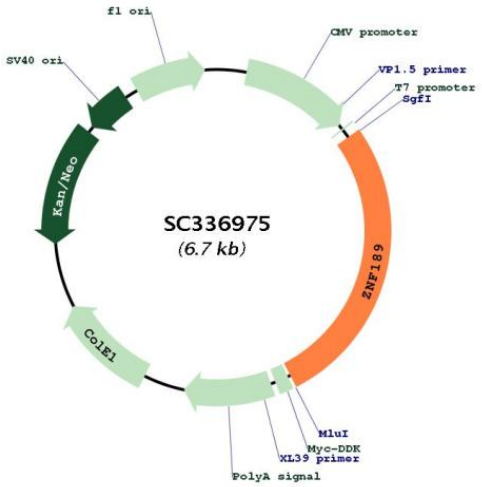
Plasmid Map:




| | |
|---|---|
| **ACCN:** | NM_001278232 |
| **Insert Size:** | 1836 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001278232.1 |
| **RefSeq Size:** | 3168 bp |
| **RefSeq ORF:** | 1836 bp |
| **Locus ID:** | 7743 |
| **UniProt ID:** | O75820 |
| **Cytogenetics:** | 9q31.1 |
| **Protein Families:** | Transcription Factors |
| **MW:** | 71.3 kDa |

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**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 (4) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.

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