

## Product datasheet for **SC335797**

### ZNF2 (NM\_001282398) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF2 (NM_001282398) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF2
Synonyms:	A1-5; Zfp661; ZNF661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335797 representing NM_001282398. Blue=Insert sequence Red=Cloning site Green=Tag(s)

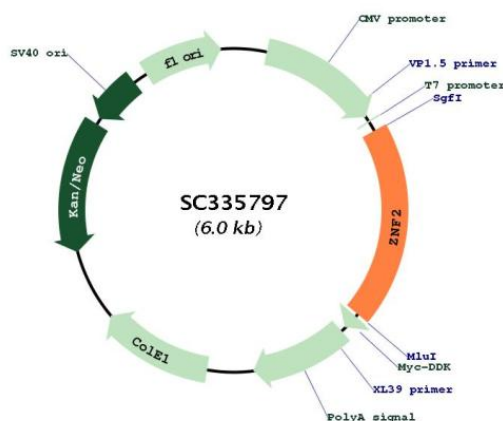
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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCTGTGTCTCCGACCACAGATGCCAGGAATCAGTGACATTCGAAGACGTTGCCGTGGTTTTTC
ACAGATGAAGAGTGGAGTCGTCTGGTCCCCATACAGAGGGACCTCTACAAGGAGGTGATGCTGGAGAAC
TATAACAGCATTGTGTCATTGGACTGGGAACTAAGCCTGAGATTCACGATGCTTCAGACAAAAATCA
GAAGGATCATTGAGGGAATGCCTTGAAGGCAAAGTCCTCTGTGTCTAAATTTGAAGTTCATACACCC
AATGGCAGGATGGGAACAGAAAAGCAAAGCCCTTCAGGGGAGACTCGTAAGAAATCCCTCTCCCGGGAC
AAAGGCTTGC GCGACGGTCAGCCCTGTCCAGGAAATTCCTCACTAAAGAGAGACACCAGGAATGCAGT
GACTGTGGGAAGACCTTTTTTGACCACTCATCCCTCACCCGCCATCAGAGGACTCACACTGGGAGAAG
CCCTACGACTGCCGCGAGTGTGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGCAGACATCTGATGTCA
CACACTGGGAGAGCCCTACGAGTGCAGTGTGTGCTCAAAGCCTTCTTTGACCGTTCTGTCCTAACT
GTCCATCAGCGAATTCACACTGGAGAGAAACCTTTTCAGTGCAACGAGTGTGGAAAGCCTTTTTTGAC
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TGTAACGAGTGC GGGAAAGCTTTCTATGGTGTCTCGTCTCTGAATAGACATCAGAAAGCTCATGCTGGG
GACCCTCGCTATCAGTGTAAACGAGTGTGGCAAAGCTTTCTTTGACCGCTCATCCCTTACACAGCATCAG
AAGATCCACACTGGAGACAAGCCATATGAATGCAGCGAATGCGGGAAAGCCTTTAGCCAGCGGTGCCGG
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AGTTCAAATCTTCTGTTATTCAACATCAACGCGTTACGCCAAACAGGGAATAGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001282398

Insert Size: 1164 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\\_001282398.1](#)

RefSeq Size: 3866 bp

RefSeq ORF: 1164 bp

Locus ID: 7549

UniProt ID: [Q9BSG1](#)

Cytogenetics: 2q11.1

Protein Families: Transcription Factors

MW: 44.4 kDa

**Gene Summary:**

The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

Transcript Variant: This variant (3) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (c) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: The coding region has been updated to remove an internal 3-nt sequence that was removed in the update of the GRCh37 reference genome assembly to the GRCh38 assembly. The update results in a protein that is 1 aa shorter.