

## Product datasheet for **SC314348**

### ZNF540 (NM\_152606) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | ZNF540 (NM_152606) Human Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | ZNF540                                  |
| Synonyms:                 | Nbla10512                               |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |

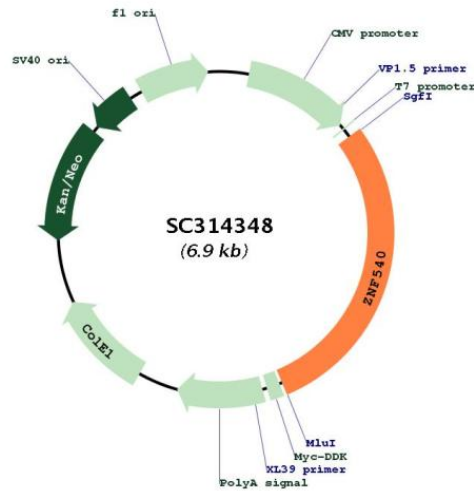


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Fully Sequenced ORF: >SC314348 representing NM\_152606.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCCATGCATTGGTGACGTTTCAGGGATGTGGCTATAGACTTCTCTCAGAAGGAATGGGAGTGCCTG
GACACTACCCAGAGGAAATTGTACAGAGATGTGATGTTGGAGAATTATAATAACTTGGTCTCACTGGGA
TATTCTGGCTCAAAGCCAGATGTGATTACCTTACTGGAGCAAGGGAAAGGCCCTGCGTGGTGGCGAGG
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TTAATGTGCGTGGACAGCTTAATCGGCATAAAAACAATCCATACTGGTATAAAAACCTTTTGCATGTAAG
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GGTTTCTACCTTACTGAACACCAGAGAATTCACACTGGTAAAAGCCCTATAAATGTAAGAATGTGGA
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TGTAAGAATGTGGGAAGTCCTTTAGTCGGCGTGGGCAGTTCCTGAACATCAGAAAATTCATACGGGT
GTAAAACCATACAAATGTAAGAATGTGGGAAGGCCTTTAGTCGTAGTGTAGACCTTAGAATACATCAA
AGAATTCATACTGGTGAAGAACCTATGAGTGTAAACAATGTGGGAAGGCCTTTAGACTTAAATCACAC
CTTACTGAACATCAGAGAATTCACACTGGTGAAGAACCTATGAGTGTAAAGGTATGTAGAAAGGCCTTT
AGACAATATTCACATCTTTATCAACATCAGAAAATCATAATGTAATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_152606

**Insert Size:** 1983 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_152606.4](#)

**RefSeq Size:** 3266 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 163255

**UniProt ID:** [Q8NDQ6](#)

**Cytogenetics:** 19q13.12

|                          |  |
|--------------------------|--|
| <b>Domains:</b>          | KRAB, zf-C2H2  |
| <b>Protein Families:</b> | Transcription Factors  |
| <b>MW:</b>               | 77.1 kDa   |
| <b>Gene Summary:</b>     | May act as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (2) has an alternate 5' UTR exon compared to variant 1, and represents a read-through transcript between the upstream non-coding LOC100507433 locus (GeneID 100507433) and the downstream ZNF540 locus (GeneID 163255).Both variants 1 and 2 encode the same isoform (a), which is longer than isoform b. |