

## Product datasheet for **SC116046**

### TRIM27 (NM\_006510) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | TRIM27 (NM_006510) Human Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | TRIM27                                  |
| Synonyms:                 | RFP; RNF76                              |
| Mammalian Cell Selection: | None                                    |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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Fully Sequenced ORF:

```
>OriGene sequence for NM_006510 edited
GAATTCGGCACGAGGCCCGCCGACGAGCCGGCGCCATGGCCTCCGGGAGTGTGGCCGAGTGC
CTGCAGCAGGAGACCACCTGCCCCGTGTGCCTGCAGTACTTCGCAGAGCCCATGATGCTC
GACTGCGGCCATAACATCTGTTGCGCGTGCCTCGCCCGTGTGGGGCACGGCAGAGACT
AACGTGTCTGTGCCCGCAGTGCCGGGAGACCTTCCCGCAGAGGCACATGCGGCCAACCGG
CACCTGGCCAACGTGACCCAACCTGGTAAAGCAGCTGCGCACCGAGCGGCCGTGGGGGCC
GGCGGCAGATGGGCGTGTGCGAGAAGCACCGGAGCCCTGAAGCTGTACTGCGAGGAG
GACCAGATGCCCATCTGCGTGGTGTGCGACCGCTCCCGCAGCACCGCGGCCACAGCGTG
CTGCCGCTCGAGGAGGCGGTGGAGGGCTTCAAGGAGCAAATCCAGAACCAGCTCGACCAT
TAAAAAAGAGTAAAAGATTTAAAGAAGAGAGCTCGGGCCAGGGGGAACAGGCACGAGCT
GAACTCTTGAGCCTAACCCAGATGGAGAGGGAGAAGATTGTTGGGAGTTTGAGCAGCTG
TATCACTCTTAAAGGAGCATGAGTATCGCCTCCTGGCCCGCCTTGAGGAGCTAGACTTG
GCCATCTACAATAGCATCAATGGTGCCATCACCCAGTTCTCTTGAACATCTCCACCTC
AGCAGCCTGATCGCTCAGCTAGAAGAGAAGCAGCAGCAGCCACCAGGGAGCTCTCGAG
GACATTGGGGACACATTGAGCAGGGCTGAAAGAATCAGGATTCTGAACCTTGGATCACA
CCTCCAGATTTGCAAGAGAAAATCCACATTTTTGCCCAAAAATGTCTATTCTTGACGGAG
AGTCTAAAGCAGTTCACAGAAAAATGCAGTCAGATATGGAGAAAATCCAAGAATTAAGA
GAGGCTCAGTTATACTCAGTGGACGTGACTCTGGACCCAGACACGGCCTACCCAGCCTG
ATCCTCTCTGATAATCTGCGGCAAGTGGGTACAGTTACCTCCAACAGGACCTGCCTGAC
AACCCCGAGAGGTTCAATCTGTTCCCTGTGTCTTGGGCTCTCCATGCTTCATCGCCGGG
AGACATTATTGGGAGGTAGAGGTGGGAGATAAAGCCAAGTGGACCATAGGTGTCTGTGAA
GACTCAGTGTGCAGAAAAGTGGAGTAACCTCAGCCCCCAGAATGGATTCTGGGCAGTG
TCTTTGTGGTATGGGAAAGAATATTGGGCTTTACCTCCCAATGACTGCCCTACCCCTG
CGGACCCGCTCCAGCGGGTGGGATTTTTCTTGGACTATGATGCTGGTGAGGTCTCCTTC
TACAACGTGACAGAGAGGTGTACACCTTCACTTTCTCTCATGCTACCTTTGTGGGCT
GTCCGGCCCTACTTCAGTCTGAGTTACTCGGGAGGGAAAAGTGCAGCTCCTCTGATCATC
TGCCCCATGAGTGGGATAGATGGGTTTTCTGGCCATGTTGGGAATCATGGTCATTCCATG
GAGACCTCCCCTTGAGGAGGTGAATTCAGGCCAAAAGGGCTGTTGGCTGAATCTACGC
CAGGCACAAGGCATCTTGTTCCTTGCACGTCTGTACAGCTGGGTATCCTTACCATG
TTCCACGCCCTTGCAAGTGGGAGACAGGATGTCCATGTTCTTACCATCCTTTTCTTCCC
ATGCAGATTGTGAAATGTAATGAGATGTATCAAGATATCCTAGAATAAAAACCAGATGT
CCACCTCCAGTGTTCATACTTTCTGGTTTTACACATCGCTGGAGGGATAAAGAGTATGG
ATAATCTTTGGATTTGGAGAGCCGTTCAAGATACTTCCAGCTTCTTGGCTCAGCCTGGCT
TCCTCTGGTTCAGCCCCACATAATGATTATGGCTATTTGCTGTCAATTTCTGGGCTAGGGC
TCCTTTTAACAACCTAGACTGGAATAAGGCCCTGTCAGCATGGCTCCCTTTATCCCAGT
TTTCCGCTGCGGAACAGTACCTCTGCCCTGATCCCAATGTGCCATAGTTTTATTAAC
CCATTAAGAAGCCTGTATGTGTTTTGGTTAGTTACAGTTATTTTACAATAATGGTGGGT
AATGGCCCCACCTCTGTTATGAGATAATGTTCTAATCAATGTCTCTGCCTTTGTATCTTT
TCTGAGGGCTTTGTCTGTTCTCTTCAATTCTAATGAAAGGTGATTCTAGTGCTGGGTGCA
TATCATCCAGGATAAATTTCTGCCCAACTCCATCCTCTGTTACTAGATCCCTTACCAGTC
ACATTTGTGGACTGGTGGCCAGTCGTATACCATCCCTGGAAGGATTCTGGGACAATATTC
CAGGGATTCACTGACTTCTTGGCTCCTTTTCTCCATTTCTTTGGGGGAAGGGGGAATTG
ACCATGCTTAAGTGCATCCTATCAAGGGGCAGCTCCGTCGCCATGGCCATTGGATCATGA
GACTCTGAAGTCAAGAGGCTGGGGCAGATCACTTCAAGCAAGCCCCATGATGGTTCT
CAGTCCTGCTTCTGTGGGTACGTGCCCTCTGTTTAAAAATAAACTGAATATGGATGT
TAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006510 unedited  
 GGGTACTATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGGCCCCCGCA  
 GGCCGGCGCCATGGCCTCCGGGAGTGTGGCCGAGTGCCTGCAGCAGGAGACCACCTGCC  
 CGTGTGCCTGCAGTACTTCGCAGAGCCCATGATGCTCGACTGCGGCCATAACATCTGTTG  
 CGCGTGCCTCGCCCGTCTGTTGGGCACGGCAGAGACTAACGTGTCGTGCCCGCAGTGCCG  
 GGAGACCTTCCCAGAGGCACATGCGGCCAACCGGCACCTGGCCAACGTGACCCAAT  
 GGTAAAGCAGCTGCGCACCGAGCGGCCGTGCGGGCCCGCGCGAGATGGGCGTGTGCGA  
 GAAGCACCGCGAGCCCTGAAGCTGTACTGCGAGGAGGACCAGATGCCCATCTGCGTGGT  
 GTGCGACCGCTCCCGCGAGCACCGCGGCCACAGCGTGTGCGGCTCGAGGAGCGGTGGA  
 GGGCTTCAAGGAGCAAATCCAGAACCAGCTCGACCATTTAAAAAGAGTAAAAGATTTAA  
 GAAGAGACGTGCGGCCAGGGGAAACAGGCACGAGCTGAACTCTTGAGCCTAACCCAGAT  
 GGAGAGGGAGAAGATTGTTTGGGAGTTTGGCAGCTGTATCACTCCTTAAAGGAGCATGA  
 GTATCGCCTCTGCCCCGCTTGAGGAGCTAGACTTGGCCATCTACAATAGCATCAATGG  
 TGCCATCACCCAGTTCTCTTGAACATCTCCACCTCAGCAGCCTGATCGCTCACCTAG  
 AAGAGAAGCAGCACCCAGCCACCCAGGAGCTCCTGCCAGACCATTGGGGACACATTGAGC  
 AGGGCTGAAAGGATACGGATCCTGAACCTTGAATACACCTCCAGATTGCAAGAGAAATAC  
 CCATTTTGCCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006510 unedited  
 TTTTAAAAANNCCTCTGTGNACCGCGCCGATTCTANGATCGATNTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTAAACATCCATATTCAGTTTATTTTTTAAACAGAGGGGCACGTACCCAC  
 AGAGAAGCAGGACTGAAAACCATCATGGGGGCTTGCTTGAAGTATCTGCCCCAGCCTTC  
 TGACTTCAAAGTGTCTCATGATCCAATGGCCATGGGGACGGAGCTGCCCTTGATAGGAT  
 GCATTAAGCATGGTCAATTCGCCCTTCCCCAAAGGAAATGGAGAAAAGGAGCCAAAGAA  
 GTCAATGAATCCCTGGAATATTGTCCCAGAATCCTTCCAGGGATGGTATACGACTGGCC  
 ACCAGTCCACAAATGTGACTGGGTAGGGATCTAGTAACAGAGGATGGAGTTGGGCAGAAT  
 ATTATCCTGGATGATATGCACCCAGCACTAGAATACACCTTTCATTAGAATGAAGAGAAC  
 GACAAAGCCCTCAAAAAGATACAAAAGCAAAGACATTGATTAGAACATTATCTCATAAC  
 AGAAGTTGGGGCCATTACCCACCATTATTGGAAAATACCTGAAAACCTAACCAAAACCTT  
 ACAAGCTTCTTTTNTGGGAGTGAATAAAACTATTGGCCATTGGNGAAATCAGGGGCC  
 AAAAGTACTTGTTCCCNACCGGAAAACCTGGGATAAAGGGGAACCTTCTGAAAGGGC  
 CCTTATTCTCAGTCTTAGGGTTGTTTAAAGAGAGACCCTACCCCANAAATGCACCCCAA  
 ATATCCTTTATTCCTTATGTGGGGCGTGAACCCAAGAGAAAACCGGTTTACCCCAAAA  
 ACCTGGAATTTTCTTAAACGGCCTCTCACAAACCAAGATTTTCCATCCTTTTTATTCCC  
 TTCCCGATGGTGTAAACCCCAAAAATTGAAAACCTGGGGGGGGCCACTGGGGTTTTTA  
 TTTGAGAGATTTGGGACCCTTTTTTAACTTTAAACAATTGGGGGGGAAGAGAAAGAGGGG  
 NAAAAAATTGGCCTTTCTTCCCCTTGAGAGGGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006510

**Insert Size:**

2770 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\\_006510.3](#), [NP\\_006501.1](#)

**RefSeq Size:** 2984 bp

**RefSeq ORF:** 1542 bp

**Locus ID:** 5987

**UniProt ID:** [P14373](#)

**Cytogenetics:** 6p22.1

**Domains:** zf-B\_box, RING, SPRY, PRY

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to the nuclear matrix. It interacts with the enhancer of polycomb protein and represses gene transcription. It is also thought to be involved in the differentiation of male germ cells. Fusion of the N-terminus of this protein with the truncated C-terminus of the RET gene product has been shown to result in production of the ret transforming protein. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (alpha) lacks 280 nt in the coding region, resulting in a frameshift and use of an upstream stop codon. It encodes isoform alpha which has a distinct C-terminus as compared to isoform beta.