

## Product datasheet for SC117980

### TRIM26 (NM\_003449) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRIM26 (NM\_003449) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TRIM26  
**Synonyms:** AFP; RNF95; ZNF173  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003449 edited  
 GAATTCGGCACGAGGAATGGTTTTACCTCTTATTGTGGAACCTGTTGAGATCACAGAGA  
 ATATACTGACGGCATAAAAGGGCAGAACCATAGCAGGGTGGCGTTGCTTCATTCCAGCCT  
 CGCAGTCACCTCTGTGCCCTGCTGGTTGTCTCCAGCGCTGCTGTAGTTGCCTTCCATG  
 GATCTATAGGAGAGCAAGTCCTCCAGGAGAAGAAGTCCTCACCAGTGAACGGAGACCTCT  
 CTGAACTAAGGATACCATGGCCACGTGACGCCCCACTACGGAGCCTGGAAGAGGAGGTGAC  
 CTGCTCCATCTGTCTTGATTACCTGCGGGACCCTGTGACCATTGACTGTGGCCACGTCTT  
 CTGCCGACGTGCACCACAGACGTCGCCCCATCTCAGGGAGCCGCCCTGCCCCACT  
 CTGCAAGAAGCCTTTAAGAAGGAGAACATCCGACCCGTGTGGCAACTGGCCAGCCTGGT  
 GGAGAACATTGAGCGGCTGAAGGTGGACAAGGGCAGCCGGGAGAGGTGACCCGGGA  
 GCAGCAGGATGCAAAGTTGTGCGAGCGACACCGAGAGAAGCTGCACTACTACTGTGAGGA  
 CGACGGGAAGCTGCTGTGCGTGATGTGCCGGGAGTCCCGGGAGCACAGGCCCCACACGGC  
 CGTCTCATGGAGAAGGCCGCCAGCCCCACAGGAAAAAATCCTGAACCACTGAGTAC  
 CCTAAGGAGGGACAGAGACAAAATTCAGGGCTTCCAGGCAAGGGGAGAAGCTGATATCCT  
 GGCCGCGCTGAAGAAGCTCCAGGACCAGAGGCAGTACATTGTGGCTGAGTTTGAGCAGGG  
 TCATCAGTTTCTGAGGGAGCGGGAGGAACACCTGCTGGAACAGCTGGCGAAGCTGGAGCA  
 GGAGCTCACGGAGGGCAGGGAGAAGTTCAAGAGCCGGGGCGTCCGGGAGCTTGCCCGGCT  
 GGCCCTGGTCATCTCCGAACTGGAGGGCAAGGCGCAGCAGCCAGCTGCAGAGCTCATGCA  
 GGACACGAGAGACTTCTAAACAGGTATCCACGGAAGAAGTTCTGGTTGGGAAACCCAT  
 TGCTCGAGTGGTTAAAAAAGACCGGAGAATTCTCAGATAAACTCCTCTCTGCAACG  
 AGGCCTGAGGGAATTCAGGGGAAGCTGCTGAGAGACTTGAATATAAGACAGTGAGCGT  
 CACCCTGGACCCACAGTCGGCCAGTGGGTACCTGCAGCTGTGAGAGACTGGAAGTGCCT  
 GACCTACACCAGCCTGTACAAGAGTGCCTACCTGCACCCACAGCTTTGACTGTGAGCC  
 TGGGGTGTAGGCAGCAAGGGCTTACCTGGGGCAAGGTCTACTGGGAAGTGAAGTGA  
 GAGGGAGGGCTGGTCTGAGGATGAAGAAGAGGGGGATGAGGAGGAAGAGGGAGAAGAGGA  
 GGAGGAGGAAGAGAGGGCCGGCTATGGGGATGGATATGACGACTGGGAAACGGACGAAGA  
 TGAGGAATCGTTGGCGATGAAGAGGAAGAAGAGGAGGAGGAAGAGGAGGAAGTTCTGGA



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AAGCTGCATGGTGGGGTGGCTAGAGACTCTGTGAAGAGGAAGGGAGACCTCTCCCTGCC  
 GCCAGAGGATGGCGTGTGGGCGCTGCGCCTCTCCTCCTCCGGCATCTGGGCCAACACCAG  
 CCCCAGGCTGAGCTTTTCCAGCACTGCGGCCCGGAGAGTGGGCATCGCCCTGGATTA  
 TGAAGGGGGCACCCTGACTTTACCAACGCAGAGTACAGGAACCTCATCTACACCTTCAC  
 TGCCACCTTACCCGGCGCCTGGTCCCCCTCTGTGGCTCAAGTGGCCAGGAACACGCCT  
 CCTGTAAAGACCTGAGCCCTGACATCTGCCCCAGCCCCAACCTCAGATGCTTCACTT  
 CTTTGGAAATCCAGGACTCTCAATGGGGGACGGGATGCCTGGCCTAAGCACCTGGAGCA  
 GGGGACCCATATCCACTGGTAGCCACCTCCCCATTGCTGTGGCCCCGAAATCTCACT  
 CAGTGCTGTTGCTCCATCTACTGCCCTAATGGGGCTCTTTTCCACCTCCTGCTGGTTTC  
 CCGAGGAACTTCTGACCCTGGAGTCCATGAGGGCTCCTTTCTTTTGGACCAGACCTT  
 GGCCCCAGCTCTGCACTCTCTGGAATAAGGGCCCGATGCAGCATTTTCTTGGCCAGTGTG  
 GCAAGACCTCAGAAAAACCAGTCAATTACGCCTAAGATCATTTTGTGCTCCTTAAACCC  
 CCAGGTTCTTCTGCACAAATCCACTCTGCTGCCACCTTCCCTGGCATTTTAAACAGA  
 CCTACCCACCCCAACTCAGAGTTAAGCATAACATGGCAATGCTGAAAATAAACAAAATCC  
 ACTGAGGCTTCCAGGCCATTTAAGCCTGGAGTACCAGCGCATATCATCTCATGGGGT  
 CAGAGTGGAGTCCAGGCTTCTCTGAAACAGGGCTGAGCATATTTCCATAGCCAAGGAGT  
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 TCCTTGTGAGGGGAGTTTAAAGAATCCAGAACATCTTGCTCTTGATCAGCACATCCAAAA  
 ACACCAAGACAACATCCAGTGGAGCAGAACCTCTCTGCCTCGGGAGTCTGACCCGGT  
 TCCCCAGCAGGGTGTAAAGCCTGTCTCTGGCCCTACCAGCATCCAGGTTCCACTTTC  
 TAGGAGAGAGTGGAGATGGGAAGACAGGAAAGGAAGGCAGCAGGAGGCCACAAGCCAC  
 CAGGTTCTCATGTCAAGAGAGGGAGTAACATGTCTTCTCATTGCCACGGACCCAACTC  
 TGTCAGGTGCCCTCATCATCAGTTTAAACACAAGCTCCCCTGCTCCAGCCAAATTGA  
 TCTCCAGTCTTGTCTTACCCATTCCAAGTGTCTGCCAGCCCTGTTTCACTCAAGTTT  
 TAAGTCTCCACCCTGTTCTAAGAGACTGTTCCAACGGCTCTGGGCCTCAGTGGTCACTT  
 GACCACATTGTCTCAGAGCTGCCACTTTGTGTGTGCACATGCTGCCTGAGTCACATG  
 TACATCTTATTTCTGCCTCTAGTTTTGTAAGCTCCTGGAGGGCGGATAACATCTTATACT  
 ACTCTTGATTCTCATGGCACCTAGTGCAGTGTGGGCACAGAGTAGGTGCTCAATAAAG  
 ACTTGTGAATGAAAAAAAAAAAAAAAAAACTCGAC

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003449 unedited  
 GTAATACGACTACTATAGGGCGCCGGAATTCGGCACGAGGAATGGTTTTACCTCTTA  
 TTGTGGAAACCTGTTGAGATCACAGAGAAATACTGACGGCATAAAAGGGCAGAACCATAG  
 CAGGGTGCGGTGTCTTCCAGCCTCGCAGTCACTCTGTGCCCTGCTGGTTGTCTTC  
 CCAGCGTGTGTAGTTGCCTTCCATGGATCTATAGGAGAGCAAGTCTCCAGGAGAAGA  
 AGTCTCACCAAGTGAACGGAGACCTCTGAACTAAGGATACCATGGCCAGTCAAGCCCC  
 ACTACGGAGCCTGGAAGAGGAGGTGACCTGCTCCATCTGTCTTGATTACCTGCGGGACCC  
 TGTGACCATTTGACTGTGGCCACGCTTCTGCCGAGCTGACCACAGACGTCGCCCCAT  
 CTCAGGGAGCCGCCCCGCTGCCCCACTCTGCAAGAAGCCTTTTAAAGAGGAGAACATCCG  
 ACCCGTGTGGAACTGGCCAGCCTGGTGGAGAACATTGAGCGGCTGAAGGTGGACAAGGG  
 CAGGCAGCCGGGAGAGGTGACCCGGGAGCAGCAGGATGCAAAGTTGTGCGAGCGACACCG  
 AGAGAAGCTGCACTACTACTGTGAGGACGACGGGAAGTGTGTGCGTGTGTNGCCGGA  
 GTCCCGGAGCACNAGCCCCACACGGCGTNCATGGAGAAAGCCGNNCCAGCCCCACA  
 GGGAAAAATCCTGAACCACTGAGTACCCTAAGGAGGGACAGAGACCAAATCAGGGCTT  
 CCAGNCAAAGGGAGAAGCTGATATCCTGGCCCGCTGAAAAGCTNCAGGACCAGAGCAG  
 TACATTGTGGCTGAGTTNGAGCAGGGTCAATCAGNTCCTGGAGGAGCGGNNAGGACAACCTG  
 CTGNNACAGCTGNCNAACTGGNAGCAGACTTACGGAGGCCAGGGAGAACTCAAGAGCC  
 GGGCCGCGG

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003449 unedited GGGGCGCGGGTNAACGCCCGACATCTTTTTNNNNNGGNNNTTCGGTGNACCGAAGCCGCA ATCNAGATNCGGTTTTTTTTTTTTTTTTTTTCATTCAACAAGTCTTTTATTGAGCACCTAC TCTGGGGCAGCACTGCACTAGGTGCCATGAGAATACAAGAGTAGTATAAGATGTTATCC GCCCTCCAGGAGCTTACAAAAGTGGTTATTTCTGAGACAATGGTGGTCAAGTGACCACTGAGGCC ATGTGACACACAAAAGTGGTTATTTCTGAGACAATGGTGGTCAAGTGACCACTGAGGCC CAAAGCCGTTGGAACAGTCTCTTAGAACAGGGTGGAGGACTTAAAACCTGGATGAACAGG GGCTGGCAGAGCACTTGAATGGGTAAGGACAAGACTGGGAGATCAATTTGGCTGGAGCA GGGGAGCTTGTGTTAAACTGTGATGATGAGGGGCACCTGGACAGAGGTTGGGTCCGTGGG CAATGAGAAGACATGTTACTCCCTCTCTTGACATGAAGACCTGGTGGGCTTGTGGCTCC TGCTGCCTTCTTTCCCTGTCTTCCCATCTCCACTCTCTCCTAGGAAAAGTGAACCTGGA TGCTGGTAGGGCCAGAGACAGAGGCTTAACACCCTGCTGGGGAACCCCGTCCAGAACTCC CGAGGCAGGAGAGGTTCTGCTCCACTGGATGTTGTTCTTGTGTTTTTTGGATGTGCTG ATCAAGAGCAAGATGTTCTTGGATTCTAAAACCTCCCTCACAGGGACAATTCTAGAGAT AATTTATTGATCAGTGATCAACAGCTGGAACCCAAAGCCGGGATGTCTGGGATCCTTTTC CTAAAACCACAGAAAGCTCCAGGAAAGTCCACCTCCTTGTGTTGGAAATGCTCAACCT TGGTTTCAAAAACCTGGAATTCCTCTGGGACCCAAGAAAAGATTGCCCTGGTACTTCAG CCTTAAAAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003449
<b>Insert Size:</b>	3180 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_003449.3</a></u> , <u><a href="#">NP_003440.1</a></u>
<b>RefSeq Size:</b>	3499 bp
<b>RefSeq ORF:</b>	1620 bp
<b>Locus ID:</b>	7726
<b>UniProt ID:</b>	<u><a href="#">Q12899</a></u>
<b>Cytogenetics:</b>	6p22.1
<b>Domains:</b>	zf-B_box, RING, SPRY, PRY

**Protein Families:** Druggable Genome

**Gene Summary:** The protein encoded by this gene is 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. The protein localizes to cytoplasmic bodies. Although the function of the protein is unknown, the RING domain suggests that the protein may have DNA-binding activity. The gene localizes to the major histocompatibility complex (MHC) class I region on chromosome 6. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2011]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.