

## Product datasheet for **SC110744**

### TRIM9 (NM\_052978) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM9 (NM_052978) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM9
Synonyms:	RNF91; SPRING
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC110744 sequence for NM\_052978 edited (data generated by NextGen Sequencing)

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ATGGAGGAGATGGAAGAGGAGTTGAAATGCCCGTGTGCGGCTCCTTCTATCGGGAGCCC
ATCATCTGCCCTGCTCTACAATTTGTGTGAGGCGTGCGCCCGCAACATCCTGGTGCGAG
ACCCAGAGTCTGAATCCCCCAGAGCCATCGGGCCGCGGGCTCCGGGGTCTCCGACTAT
GACTATCTGGACCTGGACAAGATGAGCCTATACAGCGAGGCGGACAGCGGCTATGGTCC
TACGGGGGGTTTCGCCAGCGCCCCACTACCCCGTGCCAGAAGTCCCCAACGGCGTCCGC
GTGTTTCCCCCGCTATGCCGCCACCGGCCACCCACTTGTACCCGGCCCTGGCCCCGGTG
CCCCGCAACTCCTGTATCACCTGCCCCAGTGTACCCGACGCTCATCCTGGATGACCGG
GGGCTCCGCGGCTTCCCCAAGAATCGCGTACTGGAAGGGTAATTGACCGCTACCAGCAG
AGCAAAGCCGCGGCCCTCAAGTGCCAGCTCTGCGAGAAGGCGCCCAAGGAAGCCACCGTC
ATGTGCGAACAGTGCATGTCTTCTACTGCGATCCGTGCCGCTGCGCTGCCACCCGCC
CGGGGGCCCTAGCCAAGCACCGCTGGTCCCCCGGCCAGGGTCGTGTAGCCGGAGG
CTGAGCCACGCAAGGTCTCCACCTGCACAGACCAGAGCTGGAGAACCACAGCATGTAC
TGCGTGCAATGCAAGATGCCCGTGTGTACCAGTCTTGGAGGAGGGCAAACACTCCAGC
CACGAAGTCAAGGCTCTGGGGCCATGTGGAAACTACATAAGAGCCAGCTCTCCAGGCG
CTGAACGGACTGTGACAGAGGGCCAAAGAAGCCAAAGGAGTTTCTGGTACAGCTGCCAAC
ATGGTCCAGCAGATCCAGGAGAACAGTGTGGAGTTTGAAGCCTGTCTGGTGGCCCAATGT
GATGCCCTCATCGATGCCCTCAACAGAAAGAAAAGCCAGCTGCTGGCCCGCTCAACAAG
GAGCATGAGCACAAAGTGAAGGTGGTTCGAGATCAGATCTCTCACTGCACAGTGAATTTG
CGCCAGACCACAGGTCTCATGGAGTACTGCTTGGAGGTGATTAAGGAAAATGATCCTAGT
GGTTTTTTCAGATTTCTGACGCCCTCATAAGAAGAGTGCACCTGACTGAGGATCAGTGG
GGTAAAGGCACACTCACTCCAAGGATGACCACGGACTTTGACTTGAGTCTGGACAACAGC
CCTCTGTGCAATCCATCCACCAGCTGGATTTCTGTGCAAGTGAAGGCTTCTCTCCAGTC
CCAGCAACCCCTATCCTACAGCTGGAGGAATGTTGTACCCACAACAACAGCGCTACGTTG
TCTTGAAACAGCCACTCTGTCCACGGTGCCCGCGATGGATACATTCTGGAGCTGGAT
GATGGCAACGGTGGTCAATTCGGGAGGTGTATGTGGGGAAGGAGACAATGTGCACTGTG
GATGGTCTTCACTTCAACAGCACATAACAACGCTCGGGTCAAGGCCTTCAACAAAACAGGA
GTCAGCCCGTACAGCAAGACCCTGGTCTCCAAACGTCTGAGGGTAAGGCCCTTACAGCAG
TATCCCTCAGAGCGAGAAGTGCCTGGCATCTAA
    
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Clone variation with respect to NM\_052978.4

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_052978 unedited
GCATTTTGTAAATACGACTCACTATAGGGCGGCNCGGAATTCGCACGAGGCCGGGCTGGC
GCGCGGCGCGGCGGCTACGCGGCTGCGGCTCACAGAGCTAGCCCTCTCTGGGTGTCCGT
GCCAGTGTGTCGCGGGAAGGCACCACCACAGCCGCCCGCTGGCCAGGGTGTGGA
CAAGACGGGCCCGTCCGGCCACCTCGCCAGCTCAGGCACCCGCTGCAGCCGTGCTGTCTC
TCCCAGACCCGTCCTTATGAGGAGATGGAAGAGGAGTTGAAATGCCCGTGTGCGGCT
CCTTCTATCGGGAGCCATCATCCTGCCCTGCTCTACAATTTGTGTGAGGCGTGCGCC
GCAACATCCTGGTGCAGACCCAGAGTCTGAATCCCCCAGAGCCATCGGGCCGCGGGCT
CCGGGGTCTCCGACTATGACTATCTGGACCTGGACAAGATGAGCCTATACAGCGAGGCGG
ACAGCGGCTATGGCTCTACGGGGGTTTCGCCAGCGCCCCACTACCCCGTGCAGAAGT
CCCCAACGGCGTCCGCGTGTTCGCCCGGCTATGCCGCCACCGGCCACCCACTTGTAC
CGCCCTGGCCCCGGTGCCTCGCAACTCCTGTATCACCTGCCCCAGTGTACCCGACGCC
TCATCCTGGATGACCGGNGGCTCCGCGGCTTCCCAGAAATCGCGTCTGGNAAGGGTAAT
GACCGCTACCAGCAGAGCANAGCCGCGGCCCTCAAGTGCCAGCTCTGCGAGAAGGCGCCC
AAGGAGCCACCGTCATGTGCGAACAGGGCGATGTCTTCTACTGCGAATCGTCCCCGCTGC
GCTNCGCCGCCCGCGGGGCCCTAGCCAGCACCCNCTGGTGCCCGNCCCCAAGGTTT
GTGTGAACCGNAGCTGAGCCCACGAGGTCTCACCTGCCAGACACGAGCTGGAGACCCA
GATGTACTGG
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_052978 unedited NTTTTAGCTTGGACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTATG GAGAAGTATGTGTGGAACCTTTATTTTCATCATGAGAAAATACTTCTGTGCAGTAACAGAG AATACTGATATCTATATGATGATAGGCTTTTCTTTGTATTAGATACATACCTTATATTT GTACACAATATATAAAATTCATGGAGGAAATTAATTTCTACAGTACAGTTTCTTTGTTGG AAGAGAACTTGTCCGTTTGTTCATCTAGAAAATGACCCCGAGTTCTGTGACTGTGGTA CCAAGGATCGCAGTTCCAATCCTGTAATTTATTAATTAGACACCATAATCTTATGAACA TTTAAATAAACTGAGGCGCTACATCCTCCTGCAGGATGAAACGAGAGACATAAAGTGCTCA GGCTGTTATGCTAATAACTGATTTTTACCAGAATAGTATGATTCCCATGATGATTATGTA ATAGAAATAGTTTTCCCGCAGATCTGATAACACATATTAGCAACATTGCTACAAATTTCT CTCTGCTCTGCAGGCATGCACCTCACTCTCAATCAAACACCTTGTACACACATGGGAA ATGAGGCCATCACCAGCAAGGGCCTTCTGCGTTGCATCTAGGAAAGACTTTGGAGGGCT TTAGCAGTTAGTATGGTATTTTGGAGAAAAGAGGGCACTGCTCTCAAAGTATAGGTCATC CCTGAGAGAAGTGCTAAAANTGATATTCTGGNGGAAGCTGTAGCTACCACATCACTGTAC TCCAAATGGGAACAGGCCATGTTGGCATTTCCTTCAGCATATCCCTCTCTTGAATAGC ATACTTTAGACTGACACCTGCTCCCAAGGACTGTTTNNACGGCTAGGGGCTTTTCTACC TGCTTGATAGATTAATGTCCTTGTGTTTACCATGTGAGCATTTAGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_052978
<b>Insert Size:</b>	4000 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_052978.3</a></u> , <u><a href="#">NP_443210.1</a></u>
<b>RefSeq Size:</b>	4017 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	114088
<b>UniProt ID:</b>	<u><a href="#">Q9C026</a></u>
<b>Cytogenetics:</b>	14q22.1
<b>Domains:</b>	zf-B_box, BBC, FN3
<b>Protein Families:</b>	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. Its function has not been identified. Alternate splicing of this gene generates two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate splice site, resulting in a frameshift and an earlier stop codon as compared to variant 1. Isoform 2 is shorter than isoform 1 and has a distinct C-terminus.