

## Product datasheet for **SC110258**

### TRIM45 (NM\_025188) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM45 (NM_025188) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM45
Synonyms:	RNF99
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 ORF within SC110258 sequence for NM\_025188 edited (data generated by NextGen Sequencing)

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ATGTCAGAAAACAGAAAACCGCTGCTGGGCTTTGTAAGCAAACCTCACTAGTGGGACTGCA
CTTGGGAACTCAGGCAAGACTCACTGCCCCCTGTGCTTGGGGCTTTTCAAAGCCCCCAGG
CTCTTGCCTTGTTCATACAGTTTGCACCACGTGTCTGGAGCAGCTGGAGCCCTTCTCA
GTAGTGGACATCCGAGGGGGAGACTCTGACACAAGCTCTGAGGGGTCAATATTCCAGGAA
CTCAAGCCACGAAGTCTGCAGTCGAGATCGGCATCCTTTGTCTGTATGTGATGCTCAG
GTGGACCTGCCCATGGGTGGAGTGAAGGCTTTAACCATAGACCACCTGGCCGTGAATGAT
GTGATGCTGGAGAGCCTACGTGGGGAAGGCCAGGGCCTGGTGTGTGACCTGTGCAACGAC
AGGGAAGTAGAGAAGAGGTGTCAGACCTGCAAAGCCAACCTCTGCCACTTCTGCTGCCAG
GCTCATAGGCGGCAGAAGAAAACGACTTACCACACCATGGTGGACCTAAAAGACTTGAAA
GGCTACAGCCGGATTGGGAAGCCATCCTGTGCTCTGTTACCCTGCAGAGGAACTGAGG
CTGTTCTGTGAGTCTGTGACCGCCCGTGTGCCAGGATTGTGTGGTGGGGGAGCATCGG
GAACACCCCTGTGACTTACCAGCAATGTCATCCACAAGCATGGGGACTCTGTGTGGGAG
CTCCTCAAAGTACTCAGCCCCAGTGGAGGCCCTGGAGGAAGCCCTGGCTCAGATCCAC
ATAATAACAGTGCCTCCAGAAGCGAGTGGAGGCAAGTGGCAGCTGATGTCCGGACATTC
TCGGAGGGCTACATTAAGGCCATTGAGGAGCATCGGGACAAGCTGCTGAAGCAGCTGGAA
GACATACGGGCCAGAAGGAAAATTCCTGCAGCTGCAGAAGGCCAGCTGGAACAGTTA
CTGGCAGACATGCCGACTGGAGTGGAGTTCACCGAGCACTTGTGACCAGCGGCTCAGAC
TTGGAGATCCTCATACCAAGAGGGTGGTGGTAGAACGGCTCAGGAAGCTGAACAAAGTT
CAATATAGCACCCGTCCTGGAGTAAATGATAAGATACGCTTCTGCTCCTCAGGAGAAAGCA
GGCCAGTGCCGTGGCTATGAAATTTATGGTACGATTAATACCAAAGAGGTTGATCCAGCC
AAATGTGTCCTACAAGGAGAAGACCTCCACAGAGCCCGGAGAAAACAGACGGCCTTTTC
ACCCTGCTTTGTAAGGATGCCGCAGGAGAAATCATGGGCAGGGGAGGAGACAACGTTCAA
GTTGCCGTTGTCCCTAAAGATAAGAAAGACAGCCAGTCAGAACAATGGTCCAGGATAAC
AAGGATGGGACATACTACATTTCTACACCCCAAGGAACCTGGCGTCTATACTGTGTGG
GTCTGCATCAAAGAACAGCATGTGCAGGGCTCGCCATTCACTGTGACGGTGAAGGAAAAG
CACCGCCCACTCAGGCGTGTTCCTACTGCTGCACCTTCTGCTCCAGCGGGGCCAGAAA
ACCGCTCGCTGCGCCTGTGGAGGACCATGCCAGGTGGGTACCTAGGCTGTGGCCATGGA
CACAAAGGCCACCAGGTCATCCCCACTGGTCATGCTGTGAAAAATTTAATGAGAAATCT
GAATGCACATGGACAGGTGGGCAGAGCGCACCGAGGAGTCTACTTAGGACTGTGGCTCTC
TGA
```

Clone variation with respect to NM\_025188.3  
1487 t=>c

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_025188 unedited  
 GTTAAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGCGGGAGAGGC  
 GGTGGACACCGAGAAGCCCGCGCGGCTTGAATTCCTCACCCGGCGCGCCTTTTCG  
 CAGAGGGAAGGAGCAAGAGGGCCCTACCTCATCGTGCAGGGTGGGGTGGGCGCTTGT  
 GCGTGTGGCGCAGTGGGGCGGGCGGGAGGGGGTGGCAGTGGAGGGAGCGAGAGG  
 TGCAGGGGTGACTTTGTGGCAGCAGGACTAGCTGGAGAGCTAGACCTGGAAGCGCATCC  
 GGGGAGGACTTGCGGGGCAGAGGAGGGCGTGGGCGTGTCTGGTATGGGATGCAGTGGAAA  
 GGAGGGGGCCCTCTGAGTAGATCTGTGGTGATTCTTCGAGGACGCCCTCGTCTTCCCG  
 TCTGCCCTTTTATTTGTAGCGAGGGAGTCCCCATGGTCTCTGTTCAAGTTCTGGAAACT  
 TTCTTTTGGGTGGGCTTAATCACCTGCTACTAAATCGTAGAACTGCCAGGGCCCTTTC  
 TAATATTGGTCACAAACGTGAGGAGTATGTCAGAAAACAGAAAACCGCTGCTGGGCTTTG  
 TAAGCAAACCTACTAGTGGGACTGCACTTGGGAACTCANGCAAGACTCACTGCCCCCTGT  
 GCTTGNGCTTTTCAAGCCCCAGGCTCTTGCCTTGTTCATACAGTTTGCACCACGTG  
 TCTGGAGCAGCTGGAGCCCTTCTCAGTAGTGGACATCCGAGGGNAGACTCTGACACAAG  
 CTCTNGAGGGTCAATATCCAGGAACTCAGCCACGAAGTCTGCAGTCGCAGATCGGCAT  
 CCTTTGTCTGTATGTATGCTCNAGTGGACCTGCCCATGGGTGGAGTGAAGCTTAACC  
 ATAGACCACCTGGCCGGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_025188 unedited  
 GGCACCTTGTTTTTAATTCTATCAGTCTCTTTAGATGAACAAAGTCTGGGTCTCTGGAA  
 ATCTAGTGGTGCCTGCAGCTTTAAAAGGCTGAGCACAAACCCATCAGAGAGCCACAG  
 TCCTAAGTAGACTCCTCGGTGCGCTCTGCCACCTGTCCATGTGCATTAGATTTCTCAT  
 TAAATTTCCACAGCATGACCAGTGGGGATGACCTGGGTGGCCTTTGTGTCCATGGCCAC  
 AGCCTAGGTACCCACCTGGCATGGTGCCTCCACAGGCGCAGCGAGCGGTTTTCTGGCCCC  
 CGCTGGAGCAGAAGGTGCAGCAGTGAACACGCCTGAGTGTGGCGGTGCTTTCTCCTCA  
 CCGTCACAGTGAATGGCGAGCCCTGCACATGCTGTTCTTTGATGCAGACCCACACAGTAT  
 AGACGCCAGGTTCTTGGGGGTGAGGAAATGTAGTATGTCCCATCCTTGTATCCTGGA  
 CCATTGTTCTGACTGGGCTGTCTTTCTTATCTTTAGGGACAACGGCAACTGAACGTTGT  
 CTCCTCCCCTGCCATGATTTCTCCTGCGGCATCCTTACAAAGCAGGGTAAAAGAGGCCG  
 TCTGTTTTCTCCCGGGCTGTGGAGGTCTTCTCCTTGTAGGACACATTTGGCTGGATCAA  
 CCTTTTTGGTATTAATCGTACCATAAATTCATAGCCACGGCACTGGCCTGCTTTCTCCT  
 GAGGACAGAAGCGTATCTTATCATTACTCCAGGACGGGTGCTATATTGAACTTTGTTCA  
 GCTTCTGAGCCGTTCTACCACCACCCTTTGGTGTGAGGATCTNCAAGTCTGAGCCGC  
 TGGTCAGCAAGTGTGCGTGAACNCACTNCAAGTCCGCATGTCTGCCAGTAACTGGTCCA  
 GCTGGGCTTCTGCAGCTGCAGGAAATTTNCTTCTGGNCCGTATGTCTCCAGCTGCTT  
 CAGCAGCTTGTCCGAGCTNCTCATGGGCTAATGTAGCCCTNCGAGATGTNCGGCATCA  
 GCTGCCTGNCTCCATCGN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_025188

**Insert Size:**

2680 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).

<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>	<a href="#">NM_025188.2</a> , <a href="#">NP_079464.1</a>
<b>RefSeq Size:</b>	3584 bp
<b>RefSeq ORF:</b>	1743 bp
<b>Locus ID:</b>	80263
<b>UniProt ID:</b>	<a href="#">Q9H8W5</a>
<b>Cytogenetics:</b>	1p13.1
<b>Domains:</b>	zf-B_box, Filamin, RING, BBC
<b>Gene Summary:</b>	<p>This gene encodes a member of the tripartite motif family. The encoded protein may function as a transcriptional repressor of the mitogen-activated protein kinase pathway. Alternatively spliced transcript variants have been described.[provided by RefSeq, Mar 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>