

## Product datasheet for **SC127351**

### **RNF87 (TRIM4) (NM\_033017) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF87 (TRIM4) (NM_033017) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF87
Synonyms:	RNF87
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033017, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGCTGAGGACATCCAGGAGGAGTTGACCTGCCCATCTGCCTGGACTATTTCCAGGACCCGGTGT  
CCATCGAGTGC GGCCACA AACTTCTGCCGCGCTGCCTGCACCGCAACTGGGCGCCGGGCGGCCCGCTT  
CCCCTGCCCGAATGTCGGCACCCATCGGGCCCCGCCGCTGCGACCAACTGGGCCCTGGCCAGGCTG  
ACTGAGAAGACGCAGCGCCGGCGCTGGGCCCCGTGCCCGGGCTGTGCGGCCCACTGGGAGCCGC  
TGCGGCTCTTCTGCGAGGACGACCAGCGCCAGTGTGCCTGGTGTGCAGGGAGTCCAGGAGCACCAGAC  
TCACGCCATGGCACCCATCGACGAGGCCTTCGAGAGCTACCGGACAGGTAACCTTTGACATCCACGTGGAT  
GAATGGAAGAGAAGACTAATTAGGCTGCTTTGTACCATTTTAAGCAGGAGGAGAACTTCTTAAGTCTC  
AGCGTAATCTCGTGGCCAAGATGAAGAAAGTCATGCATTTACAGGATGTAGAAGTGAAGAACGCCACACA  
GTGGAAGGATAAGATAAAGAGTCAGCGAATGAGAATCAGCACGGAGTTTTCAAAGCTGCACAACCTCCTG  
GTTGAAGAAGAGGACCTGTTTCTCAGAGATTGAACAAAGAAGAAGAAGAGACGAAGAAGAAGCTGAATG  
AGAACACGTTAAACTCAATCAACTATCGCTTCAATGAAGAAGCTCATCTTAGAGGTGGGGGAGAAGAG  
CCAGGCTCCCACCCTGGAGCTGCTTCAAGTCCAAAAGAAGTGTGACCAGGAGTGAGATCCAGGATGTG  
AACTATTCTTTGAAGCTGTAAGGTGAAGACAGTGTGCCAGATACCATTGATGAAGGAAATGCTAAAGC  
GATTCAAAGTGGCTGTAACCTAGCTGAAGACACAGCTCATCCAAACTCGTCTTCTCCCAGGAAGGGAG  
ATACGTGAAAAATACAGCATCAGCCAGTCTTGGCCAGTGTCTTCTCAGCATGGAACACTTTGCTGGA  
TGGAGGAATCCTCAGAAGACTGCTTTTGTAGAGAGATTTACAGCACTTACCCTGTGTTCTGGGAAAAAACG  
TTTTCACCTCAGGAAACATTACTGGAAGTTGAGAGTAGAGATAGTCTGGAGGTTGCTGTTGGGGTGTG  
TCGGGAGGACGTCATGGGAATTACTGATCGTTCAAAAATGTCCCCAGATGTGGGCATCTGGGCGATTAT  
TGGAGTGTGCTGGCTATTGGCCCTTGATAGGCTTCCCTGGAACCTCCACCCAGCAAGAGCCAGCTCTCC  
ACCGAGTGGGGTTTACCTGGATCGTGGGACTGGGAATGTCTCCTTCTACAGCGCTGTGGACGGAGTGCA  
CCTGCACACCTTTTCTGTTCTTCTGTCTCAGCCTCCGCCATTTTTTGGTTGAGTCCATTAGCATCT  
TTAGTCATTCCACAGTACTGATAGGAAATGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_033017 unedited</p> <pre>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGAAGTCGTCTG GCCTCCCCCGGGCCGCTCGCAGCTTGTGGCCTCTCCCGCGCCTCACGTCGGACTCCGTC TCCGCGGCAGGGAAGCAGCATGGAAGCTGAGGACATCCAGGAGGAGTTGACCTGCCCCAT CTGCCTGGACTATTTCCAGGACCCGGTGTCCATCGAGTGGGCCACAACCTCTGCCGCGG CCCATCGGCGCCCGCCGCTGCGACCCAACCTGGGCCCTGGCCAGGCTGACTGAGAAGAC GCAGCGCCGGCGCCTGGGCCCGTGCCTCCCGGGCCTGTGCGGCCGCCACTGGGAGCCGCT GCGGCTCTTCTGCGAGGACGACCAGCGGCCAGTGTGCCTGGTGTGACGGAGTCCAGGA GCACCAGACTCACGCCATGGCACCCATCGACGAGGCCCTTCGAGAGCTACCGGGAGAACT TCTTAAGTCTCAGCGTAATCTCGTGGCCAAGATGAAGAAAGTCATGCATTTACAGGATGT AGAAGTGAAGAACGCCACACAGTGAAGGATAAGATAAAGAGTCAGCGAATGAGAATCAG CACGGAGTTTTCAAAGCTGCACAACCTCCTGGTTGAAGAAGAGGACCTGTTTCTCAGAG ATTGAACANAGAAGAAGAAGAGACGAAGAAGAAGCTGAATGAGAACACGTTAAAACCTCAA TCAACTATCGCTTCATTGAAAGAGCTCATCTTAGAGGTGGGGGAGAAGAGCCAGGCTCCC ACCTGGAGCTGCTTCAGATCCAAAAGAGTGTGACCCGAGTGATGATCA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_033017 unedited</p> <pre>TCACTTTAGTATGCACCGCGCCGCAATACTACGATCGAGTTTTTTTTTTTTTTTTTTTT AAATCACTGCCTGTAAGTCTTTATTGAAAATCTGGGCACAAAATCATATCTGAAATGCG TAGTAGTGATAACTCTTAATTCCTTTATACTTCTTCTGCATCCTTACAACACTTTCCTAC AATCAAGTACACATCGACTTCATATAAACAGCAGAAAAGCAATCATCTATCTTAAAAATA ACTATCCAGTAACTGCCACAATCTCCTGAGCTCAGACAATCTAGAGCAGAAGGGTAGACT GAGGAAAATATACACAGTATAAAAAAGTAACCAATCAAAACCTGACACAACGATCAACA TCCAATAAATGCTTTTGAATAAAGGGAGAGTAGATAAGAAGTGGATTTTAAATCCCAACAC TGCCATTTACCAGCTGGCCAATACTGAGTTAGTACTCTAAAGAGTTTCAGTTTTCTCAT TTGCACAAACCGGACCTGCCTCTCCATCTCACTGAGCTTGTGACGAGAGTCATATGCCAC AGCATATGAAGAGGCTACTACCAGGCATTAACAAGCGCTCACAATTTCTATGATGACCT GAATCACACTGTACCCACAATATACCCCTGCTACACACCCATCACCGTTACTATCCTG CCGGCCTAGTTATGGTTCGGGAAGAGAAGAGAGTGCAACATAGGCAGAATGAGGGGGGAT CTCCACATTTTTTTAAAACACCAAACCTGGCGGAACCAAGCACTATCCGGAAGAATCCGC ACAGCCCTGCCCGGCCCAACAAAGACTCTCGGCTCTGGACACTTCTACCCATCGATTCC AAGCCCATTTCTGGGGACGGTAACCTTTCCCTCCCTTTAATGGACTTACACGCCCTCCG GGCCGTAAGACAACCCAAAACACTTCTAAATGGTCTTAACAT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033017
<b>Insert Size:</b>	2870 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).

**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\\_033017.2](#), [NP\\_148977.1](#)

**RefSeq Size:** 3401 bp

**RefSeq ORF:** 1503 bp

**Locus ID:** 89122

**UniProt ID:** [Q9C037](#)

**Cytogenetics:** 7q22.1

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

**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. Its function has not been identified. Alternatively spliced transcript variants that encode different isoforms have been described.[provided by RefSeq, Jul 2010]

Transcript Variant: This variant (alpha) represents the longer transcript and encodes the longer isoform (alpha). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.