

Product datasheet for **SC111855**

TRIM5 alpha (TRIM5) (NM_033034) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM5 alpha (TRIM5) (NM_033034) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM5 alpha
Synonyms:	RNF88; TRIM5alpha
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_033034 edited
 GAATTCGGCACCAGCCAGGACAGGCAGGAGCAGTGAATAGCTAGTATGGCTTCTGGAAT
 CCTGGTTAATGTAAGGAGGAGGTGACCTGCCCATCTGCCTGGAACCTCTGACACAACC
 CCTGAGCCTGGACTGCGGCCACAGCTTCTGCCAAGCATGCCTCACTGCAAACCTACAAGAA
 GTCCATGCTAGACAAAGGAGAGAGTAGCTGCCCTGTGTGCCGGATCAGTTACCAGCCTGA
 GAACATACGGCCTAATCGGCATGTAGCCAACATAGTGGAGAAGCTCAGGGAGGTCAAGTT
 GAGCCACAGAGGGCAGAAAAGTTGATCATTGTGCACGCCATGGAGAGAAAACCTTACTCTT
 CTGTCAGGAGGACGGGAAGGTCATTTGCTGGCTTTGTGAGCGGTCTCAGGAGCACCGTGG
 TCACCACACGTTCTCACAGAGGAGGTTGCCCGGAGTACCAAGTGAAGCTCCAGGCAGC
 TCTGGAGATGCTGAGGCAGAAGCAGCAGGAAGCTGAAGAGTTAGAAGCTGACATCAGAGA
 AGAGAAAAGCTTCTGGAAGACTCAAATACAGTATGACAAAACCAACGCTTGGCAGATTT
 TGAGCAACTGAGAGACATCTGGACTGGGAGGAGAGCAATGAGCTGCAAAAACCTGGAGAA
 GGAGGAGAAAGACATTCTGAAAAGCCTTACGAACCTGAAACTGAGATGGTGCAGCAGAC
 CCAGTCCCTGAGAGAGCTCATCTCAGATCTGGAGCATCGGCTGCAGGGGTGAGTATGGA
 GCTGCTTCAGGGTGTGGATGGCGTCATAAAAAGAGCTGACAGATGTCGACGCTACTGGG
 TTGATGTGACAGTGGCTCCAAAACACATTTTCATGTGCTGTCAATTTCTGAAGATAAGAGAC
 AAGTGAGCTCTCCGAAAACACAGATAATATATGGGGCACGAGGGACAAGTACCAGACAT
 TTGTGAATTTCAATTTGTACTGGCATCTGGGCTCTCAAAGTATCACATCAGGGAAAAC
 ATTACTGGGAGGTAGACGTGTCCAAGAAAACCTGCTGGATCCTGGGGGTATGTGCTGGCT
 TCCAACCTGATGCAATGTGTAATATTGAAAAAATGAAAATTATCAACCTAAATACGGCT
 ACTGGGTATAGGGTTAGAGGAAGGAGTTAAATGTAGTGTCTTCCAGGATAGTTCCTTCC
 ATACTCTTCTGTTCTTTCATTGTGCCCTCTCTGTGATTATTTGTCTGATCGTGTG
 GAGTTTTCTAGACTATGAGGCTTGCACTGTCTCATTCTTCAATATCACAACCATGGAT
 TTCTCATCTATAAGTTTTCTCACTGTTCTTTTTCTCAGCCTGTATTTCCATATTTAAATC
 CTAGAAAATGTGGAGTCCCATGACTCTGTGCTACCAAGCTCTTGAACCTTCTTACACA
 CTCAGCCCCTTCTGTACAGCACCTTGTCCAGGTGCATCTCATAACCTGAACTCATTT
 GCATCATTTTAAACCATCTTTTCTTGTCTCTCCCTTCTTTCTATTTGAACGTCCTTAC
 TCATCAGTAAAATGTAATAATTGCCTTGTGCCATATTGCCCCAATATTTTATTGACATT
 TGATAGCAATTTTTTTCATTTTTCCGTACTCCTAAGGAAAACCTGACCTATACCTCATA
 AAATGAGACCGCTATTTAGGTATTACTTCTGCCAGATATTTATCACCCAATTGCCTCTGA
 CACTGACTAAGAAGATGAAGAAAAGCTTTCAACAGCCTTCTATATCATCGTGTGATAA
 TTGTTCCCAATGAATGAGTCTTAGCCCTGTGTCAAGTTACCCTCGATGCCCTTATTTG
 TGAGTTAAAGAGAAAATATCATAAATGGTATACTCTTAAGTATAGAGGTTTTGTATCTAG
 AGGATCTCAGTTCAACTCCTGTCTCTCCATATACCAGCAGTGAAGTGTGAATAACATAC
 TTAATAGGCTGTGCTTATTTCTTTTCTTTTCTTTTTTTTTTTTTTTTTTTTGGAGATG
 AAGTTTTGCTCTTGTTCGCCAGGCTGGAGTGAATGGCACGATCTCGGTTCACTGCAACC
 TCCACCTCTCAGATTCAGCAATTTCTCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAG
 GTGCCACCACCACCCCTGGCTAAATTTGATTTTTCAGTAGAGACGGGGTTTCCCATGT
 TGGTTAGGCTCGTCTAGAACCTTGACCTCAGGTGATCCACCCGCTCGGCTCCCAAG
 TGCTGGGATTACAGGCGTGAGCCACGGGCCAGCCTGTGCTTATTTCTTAAAATAATT
 TTTGTATTA AAAACTTCACATTAATAAAGTGTAAATGTTTTATTGCATAGTAGGGTGACT
 AGAGTTAAACAATAACCTATTGCATATATTTGAAATAGCTAGAAGAGAGGATTTTGAAAG
 TTCTCAACACAAAAGAAATGACACATATTTGAGGTGATGGATATGCTAATTACCCTGGTTC
 GGTATTACGCAATGTATACATGTATCAAAACATCACACTGTACCACATAAATATGTATA
 TTTATTATTTGTCAATTAAGCAAAAATAAAAACAAAAACCTTCACTAATACTTTGGAT
 CATTGTGAAAAATAAATTCCTGAAGTATAAAGCATCTXXXXXXXXXXXXXXXXXAACTCG
 AC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033034 unedited
 CAAATTTATGTATACGACTCACTATAGGGCGGCCGNAATTCGCACCAGCCAGGACAGG
 CAGGAGCAGTGGAAATAGCTAGTATGGCTTCTGGAATCCTGGTTAATGTAAAGGAGGAGGT
 GACCTGCCCATCTGCCTGGAACCTGACACAACCCCTGAGCCTGGACTGCGGCCACAG
 CTTCTGCCAAGCATGCCTCACTGCAAACACAAGAAGTCCATGCTAGACAAAAGGAGAGAG
 TAGCTGCCCTGTGTGCCGGATCAGTTACCAGCCTGAGAACATACGGCCTAATCGGCATGT
 AGCCAACATAGTGGAGAAGCTCAGGGAGGTCAAGTTGAGCCCAGAGGGGCAGAAAAGTTGA
 TCATTGTGCACGCCATGGAGAGAACTTCTACTTCTGTGTCAGGAGGACGGGAAGGTCAT
 TTGCTGGCTTTGTGAGCGGTCTCAGGAGACCGTGGTCACCACACGTTCCCTCACAGAGGA
 GGTTGCCCGGGAGTACCAAGTGAAGCTCCAGGCAGCTCTGGAGATGCTGAGGCAGAAGCA
 GCAGGAAGCTGAAGAGTTAGAAGCTGACATCAGAGAAGAGAAAGCTTCTGGAAGACTCA
 AATACAGTATGACAAAACCAACGCTTGGCAGATTNTGAGCAACTGAGAGACATCCTGGA
 CTGNGAGGAGAGCAATGAGCTGCANAACCTGNAGAAAGAGGANGAAGACATTCTGAAAAG
 CCTTACGAACTCTGAAACTGAGATGGTGCAGCAGACCCAGTCCCTGAGAGAGCTCATCTC
 AGATCTGGAGCATCGGCTGCAGGGGTGATGATGGAGCTGCCTCAAGGTGTTGGATTGGC
 TCATAAAAAGAGCTGACAGATGTCGACGCTACTNGGGTTGATGTGACAGTGGCTCCAAA
 CAACATTAATGGGCTGCCATTCTGAGAATAGAGAAAGGGAGCCTTCGGAACCCAGTAAA
 TATATGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033034 unedited
 TTGGACCGCGGCCCAATCTACAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTAAAAGGCTTAAAACCTTCGAGGAATTTATTTTTTACCAAGGATCCC
 AAAGTTTTAAAGGAGGGGTTTTGGTTAATTTGGCTTAAATGGCCAAAAAATAATATC
 CCTATTTATGGGGCCAGGGGGAGGTTTTGAAACATGTTTACTTTGGGAAAAACCCGACC
 CAGGGGAATAACCAACCCCTTTTTTTTAAAAGGGGCCATTTTTTTGGGGGAAAACCTTT
 AAAAATCCTTTTTTTAGCTATTCAAAATATATGCAAAAAGGTTATTGTTAACCTTAGCC
 CCCCTCCTTTGCAAAAAAACATCCCCCTTATTTAAGGGGAAGCTTTTAAATCAAAAATT
 ATTTTAAAAAAAACCCCGGCTGGGCCCCGGGGCTCCCCCTGAAACCCACACTTGG
 GGAGGCCAGGCGGGGGACCCCTGGGGTACAGGCTCAACACCACCCACACACATG
 GGCACACCCCTTCCAATGAACCAACCAACCCCAACCCGAGTGGGGGGGGGGCCCT
 CCACACCCCTTGGCGGGCCCGCCGAAACCCCTTCTCCTCCACCCGAGCGGC
 CACACCACCCACAACCTCCCCCTCCCCACACCGGCCCATCCACCACCATTTTT
 TCTCTCCCTCAATCCCAACCCCTCCTTACGCCACCCCTCCTCCTCCCTCCCTTCC
 TCCCCCCCCACCCCTTCCCTATCTCACCACCCCGCTAACAACCTCCTCACTCACACT
 CCCCCCCCCCCCCAAACCACCTCCCCCCCCCCCCCCCCAAAACCAATATCCTC
 CCCCCTCCCCCATACCCATTCCCCACCCCCACCTTACTCTACCCCACTCCAC
 CCCCCACTCCTCCCCCAACCCCAACCCCTCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_033034

Insert Size:

2750 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_033034.1](#), [NP_149023.1](#)

RefSeq Size: 2990 bp

RefSeq ORF: 1482 bp

Locus ID: 85363

UniProt ID: [Q9C035](#)

Cytogenetics: 11p15.4

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 forms homo-oligomers via the coiled-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiquitinates itself to regulate its subcellular localization. It may play a role in retroviral restriction. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2009]

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