

Product datasheet for **SC102603**

TRIM37 (NM_015294) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM37 (NM_015294) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM37
Synonyms:	MUL; POB1; TEF3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015294 edited
 GAATTCGGCACGAGGGGGCGCCGGGCTTTTATCGGCGATTTGATCTGGCGACCTCGGGCC
 GGCGCCTAAGAGGTCAGACTGCGGAGCCTGCGGGTCCAGCGGCCCGCCGAGAGCCGG
 AGGCAATGGATGAACAGAGCGTGGAGAGCATTGCTGAGGTTTTCCGATGTTTCATTTGTA
 TGGAGAAATTGCGGGATGCACGCCTGTGTCCTCATTGCTCCAAACTGTGTGTTTCAGCT
 GTATTAGGCGCTGGCTGACAGAGCAGAGAGCTCAATGTCCTCATTGCCGTGCTCCACTCC
 AGCTACGAGAAGTAAATTTGTCGTTGGGCAGAAGAAGTAAACACAACAGCTTGATACTC
 TTCAACTCTGCAGTCTACCAAACATGAAGAAAATGAAAAGGACAAATGTGAAAATCACC
 ATGAAAAACTTAGTGTATTTTGTGGACTTGTAAAGAGTGTATCTGCCATCAGTGTGCAC
 TTTGGGGAGGAATGCATGCGGACATACCTTTAAACCTTTGGCAGAAATTTATGAGCAAC
 ACGTCACTAAAGTGAATGAAGAGGTAGCCAACTTCGTCGGCGTCTCATGGAAGTATCA
 GCTTAGTTCAAGAAGTGGAAAGGAATGTAGAAGCTGTAAGAAATGCAAAAAGATGAGCGTG
 TTCGGGAAATTAGGAATGCAGTGGAGATGATGATTGCACGGTTAGACACACAGCTGAAGA
 ATAAGCTTATAACACTGATGGGTGAGAAGCATCTCTAACCCAAGAAACAGAGCTTTTGG
 AATCCTTACTTCAGGAGGTGGAGCACCAGTTGCGGTCTTGTAGTAAGAGTGAAGTTGATAT
 CTAAGAGCTCAGAGATCCTTATGATGTTTCAGCAAGTTCATCGGAAGCCCATGGCATCTT
 TTGTTACCACTCCTGTTCCACCAGACTTTACCAGTGAATTAGTGCCATCTTACGATTGAG
 CTACTTTTGTGTTTAGAGAATTTACAGCACTTTGCGTCAGAGAGCAGATCCTGTTTACAGTC
 CACCTCTTCAAGTTTTCAGGACTTTGCTGGAGTTAAAAGTTTACCAGATGGAAATGGAG
 TTGTGCGAGGTTACTACTTATCTGTGTTTCTGGAGCTCTCAGCTGGCTTGCCTGAAAACCT
 CTAATATGAATATCGTGTAGAGATGGTTCACCAGTCCCTGTAATGATCCTACAAAAAATA
 TCATTCGAGAATTTGCATCTGACTTTGAAGTTGGAGAATGCTGGGGCTATAATAGATTTT
 TCCGTTTGGACTTACTCGCAAATGAAGGATACTTGAATCCACAAAATGATACAGTGATTT
 TAAGGTTTCAGGTACGTTACCAACTTTCTTTCAAAAATCCCAGGACCAGCATTGGTACA
 TTACTCAGTTGGAAGCTGCACAGACTAGTTATATCCAACAAAATAAACACCTTAAAGAGC
 ACGAGCTTTCAGATGGAGATCTGGATCTGGATCTGTTTATGAGGATGAAGTAAATCAGC
 TCGATGGCAGCAGTTCCTCTGCTAGTTCACAGCAACAAGTAATACAGAAGAAAAATGATA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015294 unedited</p> <pre> AGTATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGGCGCCGGG CTTTTATCGGCGATTTGATCTGGCGACCTCGGGCCGGCGCCTAAGAGGTCAGACTGCGGA GCCTGCGGGTCGCCAGCGGCCCGCCGAGAGCCGGAGGCAATGGATGAACAGAGCGTGGA GAGCATTGCTGAGGTTTTCCGATGTTTCATTTGTATGGAGAAATTGCGGGATGCACGCCT GTGTCCTCATTGCTCCAACTGTGTTGTTTCAGCTGTATTAGGCGCTGGCTGACAGAGCA GAGAGCTCAATGTCCTCATTGCCGTGCTCCACTCCAGCTACGAGAACTAGTAAATTTGTCG TTGGGCAGAAGAAGTAACACAACAGCTTGATACTCTTCAACTCTGCAGTCTCACCAAACA TGAAAGAAATGAAAAGGCAAAATGTGAAAATCACCATGAAAAACTTAGTGTATTTTGCTG GACTTGTAAAGAAGTGTATCTGCCATCAGTGTGCACTTTGGGGAGGAATGCATGGCGGACA TACCTTTAAACCTTTGGCAGAAATTTATGAGCAACACGTCCTAAAGTGAATGAAGAGGT AGCCAACTTCGTCGGCGTCTCATGAACTGATCAGCTTAGTTCAAGAAGTGAAAGGAA TGTAGAAGCTGTAAAGAAATGAAAAGATGAGCGTGTTCGGGAAATTANGAATGCAGTGGA GATGATGATTGCACGGTTAGACACACAGCTGAAGAATAAGCTTATAACACTGATGGGTCA GAAGACATCTCTAACCAAGAAACAGAGCTTTTGAATCCTTACTTCANNAGTGGAGCA CCAGNTGCGGTCTTTGTAGTAGAGTGAGTTGATATCTAAGAGCTCAGAGATCTTTATGAT GNTTCAGCAAGTTCATCGNAAGCCATGGCATCTTTTGNACCCTCCTGTTNACCAGCA CTTTACAGTGAATNATGN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015294 unedited</p> <pre> NNNTTTTGCTTTGGACCCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTCT CAGTTGATTTTATTAACAAAAAGTGCAAACTATTTTGAACAAAAGTAACTATGAGTCAC AGCATTACGAAGACATCAGACACGGAAGAGTGAACAATATTCACTAAGTAAAAACAGC AGATGAGATGTCTCTACATGTATTTAATTATTCATGCTTTTTCAATAGTCTCTTAGT CAACTTTCAGTGTAATTTCCACAAATATATAGCAGCTCAACACAAAATGCAGGAGCACA TGGCAAAGTTTGGCAACTGTTTTGGGCTAATTATGAGTATGAAAGAAAACCTTATATCAC AGTTTTACGTTTATGTAAGCCACTGTGCAACATGAATGAATCTTTAAATGTGTTGACAT GAAATCAATGTACAACCTAATGAAAATAAAGAAGAAAAGGGGCTTTAAAAATTTTGTTC ACTACAGTCGTATAGTAAGAGGCAGAAAAAATGAAAGAATTTTAAATAATCTTACACGT GTCTACAGGGCCAGGAACGTAATGAATCCATGTTAACTTAATTTTCAATTTAAATACATT TGTAGAAGTCACACAACAGAAAGATACCATGCGGTTGAACAGTGTGCCTGTACTTGAACA AGTGAGAGAAGATACATACTCCAAAAAGGAGATTCAGTCTAGTGTACTTCAAGTATTCA CATAGTGTCTACAGGGCAGAATCTTCCAAAGCAATTTCTGTTCACTAATCTACAGGC ACTAATGGAACTGTATTTAAACCCCAATATAAAGATGATTATTTAAACACAACCTAAGC TCTAGCCAAAGACAGTAGAGCACCCATGCCNNGGCGGNNTACTGACGGGCATGCAGGCC TGGAGGTACATTTNCTGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015294
Insert Size:	3800 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_015294.2](#), [NP_056109.1](#)

RefSeq Size: 4488 bp

RefSeq ORF: 2895 bp

Locus ID: 4591

UniProt ID: [O94972](#)

Cytogenetics: 17q22

Domains: zf-B_box, MATH, BBC

Protein Families: Druggable Genome

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: This gene encodes a member of the tripartite motif (TRIM) family, whose members are involved in diverse cellular functions such as developmental patterning and oncogenesis. The TRIM motif includes zinc-binding domains, a RING finger region, a B-box motif and a coiled-coil domain. The RING finger and B-box domains chelate zinc and might be involved in protein-protein and/or protein-nucleic acid interactions. Mutations in this gene are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder that involves several tissues of mesodermal origin. TRIM37 localizes in peroxisomal membranes, and has been implicated in human peroxisomal biogenesis disorders. [provided by RefSeq, Jul 2020]
Transcript Variant: This variant (1) and variant 2 encode the same isoform (a).