

Product datasheet for **SC115489**

TRIM32 (NM_012210) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM32 (NM_012210) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM32
Synonyms:	BBS11; HT2A; LGMD2H; LGMDR8; TATIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012210, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCAGCAGCAGCTTCTCACCTGAACCTGGATGCCCTCCGGGAAGTGTAGAATGCCCATCTGCA
TGGAGTCCTTACAGAAGAGCAGCTGCGTCCCAAGCTTCTGCACTGTGGCCATACCATCTGCCCCAGTG
CCTGGAGAAGCTATTGGCCAGTAGCATCAATGGTGTCCGCTGTCCCTTTGCAGCAAGATTACCCGCATA
ACCAGCTTGACCCAGCTGACAGACAATCTGACAGTGTAAAGATCATTGATACAGCTGGGCTCAGCGAGG
CTGTGGGGCTGCTCATGTGTCCGCTCTGTGGGCGGCTGTGCCCGGCAATTCTGCCGGAGCTGTGGTTT
GGTGTTATGTGAGCCCTGCCGGGAGGCAGACCATCAGCCTCCTGGCCACTGTACACTCCCTGTCAAAGAA
GCAGCTGAGGAGCGGCTCGGGACTTTGGAGAGAAGTTAACTCGTCTGCGGGAACCTATGGGGGAGCTGC
AGCGGCGGAAGGCAGCCTTGAAGGTGTCTCCAAGGACCTTCAGGCAAGGTATAAAGCAGTTCTCCAGGA
GTATGGGCATGAGGAGCGCAGGGTCCAGGATGAGCTGGCTCGCTCTCGGAAGTTCTTACAGGCTCTTTG
GCTGAAGTTGAGAAGTCCAATAGTCAAGTGGTAGAGGAGCAGAGTTACCTGCTTAACATTGCAGAGGTGC
AGGCTGTGTCTCGCTGTGACTACTTCTGGCCAAGATCAAGCAGGCAGATGTAGCACTACTGGAGGAGAC
AGCTGATGAGGAGGAGCCAGAGCTCACTGCCAGCTTGCCTCGGGAGCTCACCCCTGCAAGATGTGGAGCTC
CTTAAGGTAGGTCATGTTGGCCCCCTCCAAATTGGACAAGCTGTTAAGAAGCCCCGGACAGTTAACGTGG
AAGATTCTGGGCCATGGAGGCCACAGCGTCTGCTGCCTACCTCTGTTACTTTTAGAGAGATGGACAT
GAGCCCGGAGGAAGTGGTTGCCAGCCCTAGGGCCTCACCTGTAAACAGCGGGGTCTGAGGCAGCCTCC
AATATCCAGCAGTGCCTCTTCTCAAGAAGATGGGGGCCAAAGGCAGCACTCCAGGAATGTTCAATCTTC
CAGTCAGTCTCTACGTGACCAGTCAAGGTGAAGTACTAGTCGTGACCGTGGTAACTATCGTATACAAGT
CTTTACCCGCAAAGGCTTTTTGAAGGAAATCCGCCGACGCCCCAGTGGCATTGATAGCTTTGTGCTAAGC
TTCCTTGGGGCAGATCTACCCAACCTCACTCCTCTCAGTGGCAATGAACTGCCAGGGCTGATTGGTG
TGACTGACAGCTATGATAACTCCCTCAAGGTATATACCTTGGATGGCCACTGCGTGGCCTGTACAGGAG
CCAGCTGAGCAAACCATGGGGTATCACAGCCTTGCCATCTGGCCAGTTTGTAGTAACCGATGTGGAAGGT
GGAAAGCTTTGGTGTTTACAGTTGATCGAGGATCAGGGGTGGTCAAATACAGCTGCCTATGTAGTGCTG
TGCGGCCCAAATTTGTCACCTGTGATGCTGAGGGCACCCTACTTACCCAGGGCTTAGGCCTCAATCT
GGAGAATCGGCAGAAATGAGCACCACTGGAGGGTGGCTTTTCCATTGGCTCTGTAGGCCCTGATGGGCAG
CTGGGTCGCCAGATTAGCCACTTCTTCTCGGAGAATGAGGATTTCCGCTGCATTGCTGGCATGTGTGGG
ATGCTCGTGGTATCTCATCGTGGTGACAGTAGTCGAAAGAAATTCCTCATTTCCTAAGGGTGGGGG
CTATAGTGTCTTATTCGAGAGGGACTTACCTGTCCGGTGGGCATAGCCCTAACTCCTAAGGGGCAGCTG
CTGGTCTTGGACTGTTGGGATCATTGCATCAAGATCTACAGCTACCATCTGAGAAGATATCCACCCCAT
AG
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_012210 unedited
NGGTCGGAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCCGCGGT
GGACTCGTCGGAGCCGCGGGCGGTGAGCAGGAATTTGACCCTCTAGGGCATGAATACTGT
GCTGTTCAAGTTCTGAGCTGTGCTAGCAATACCCTTCAAAGGAAGAGCAATGGCTGCAGCA
GCAGCTTCTCACAGAAGAGCAGCTGCGTCCCAAGCTTCTGCACTGTGGCCATACCATCTGC
GAGTCCTTACAGAAGAGCAGCTGCGTCCCAAGCTTCTGCACTGTGGCCATACCATCTGC
CGCCAGTGCCTGGAGAAGCTATTGGCCAGTAGCATCAATGGTGTCCGCTGTCCCTTTTGC
AGCAAGATTACCCGCATAACCAGCTTGACCCAGCTGACAGACAATCTGACAGTGTAAAG
ATCATTGATACAGCTGGGCTCAGCGAGGCTGTGGGGCTGCTCATGTGTCGGTCTGTGGG
CGGCGTCTGCCCGGCAATTCTGCCGGAGCTGTGGTTTGGTGTTATGTGAGCCCTGCCGG
GAGGCAGACCATCAGCCTCCTGGCCACTGTACACTCCCTGTCAAAGAAGCAGCTGAGGAG
CGGCGTCCGGGACTTTGGAGAGAAGTTAACTCGTCTGCGGGAACCTATGGGGGAGCTGCAG
CGGCGGAAGGCAGCCTTGAAGGTGTCTCCAAGGACCTTCAGGCAAGGTATAAAGCAGTT
CTCCAGGAGTATGGGCATGAGGAGCCGAGGGTCCAGGATGAGCTGGCTCGCTTTTCGAA
GTTCTTCCAGGCTCTTTGGCTGAAGTTGAGAAGTCCATAGTCAAGTGGTAGAGGAGCAGA
TTACCTGCTTACATTGCAGAGGTGCAGGCTGGNNCTCGCTGGACTACTTCTGGCCAAGAC
AGCG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012210 unedited CCGCGGGCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGAAAAACAGNTCTNAATT ATTTAATGCTTGATAGAGAAATGGAAAGAAATTCTGAAACCAAATAGTATGACTGACTT GAGGAAAAACAGAAATACTAAACCAATATTTTTGTTGTTGTTTAAATAATGAACATGAA AATGTGTTACCTCTCCATTTTGTGGCCCTGGCCTATGTTGTACAATTATTTAGACACA GGCCAGAATAGAGAGGTTTTTTGAAAAATGATGAGCCCTAGAGCTTATGCAAATTTGTT GACTATATCAGAATTTGTTTGTCTATTCCCAATTCCTCTTGCTTAGCTCTATTTCCAAC CTATATATGCTTCTTTAAAAAGCACCTTATTTCTATGTTTATGTCATCAATATCAACCAA CTATGGTCAATCCATTCTGTGCCATCTGCTATTTTTAATCCAACATGGTTTCAGATCTTT TTAGCTTATATGTTACTGTTTTCTAAAGGGCTGTTTCTCTCTTTGGTTTCTCTATATG ATGACTCTTATACTGGTTAAGATGATTCTATTGAGATTTATTGTTATTGCATTTTGATGC TCTTATATGTTCTTAAAGGTGGTCTATATCCACACTTATCTCTGCTCACTGTATTCCAT TCTTAGTAAATAGAAAGTTTGTATTTAACCTCATATTAGACAGAAGAACAACGGATCAA GGCCTCTATAGTATAAGGAATAACTTAAGTTATATTCAAGGGTATTTTTTTATTCTTCT CATAGGTTTATTGGATCTCTATAATAATCTTGTATATCCTATATTATCATAATTTATTA CTAATAAGTCCTTTTTTGTCTATCATTGTTTATTTTTTTTTTTTGTGTGGAACCTGTGGG GTCTACCAACTTAATATCAAATTCCTTCCGCTTACACTTCTCCGTGATG
Restriction Sites:	NotI-NotI
ACCN:	NM_012210
Insert Size:	3300 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:	<ol style="list-style-type: none"> 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:	<u>NM_012210.2</u> , <u>NP_036342.1</u>
RefSeq Size:	3160 bp
RefSeq ORF:	1962 bp
Locus ID:	22954
UniProt ID:	<u>Q13049</u>
Cytogenetics:	9q33.1
Domains:	zf-B_box, NHL, RING

Protein Families: Transcription Factors

Protein Pathways: Ubiquitin mediated proteolysis

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. The protein has also been localized to the nucleus, where it interacts with the activation domain of the HIV-1 Tat protein. The Tat protein activates transcription of HIV-1 genes. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.