

Product datasheet for **SC316804**

TRIM32 (NM_001099679) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM32 (NM_001099679) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM32
Synonyms:	BBS11; HT2A; LGMD2H; LGMDR8; TATIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001099679, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCAGCAGCAGCTTCTCACCTGAACCTGGATGCCCTCCGGGAAGTGCTAGAATGC
CCCATCTGCATGGAGTCTTTCACAGAAGAGCAGCTGCGTCCCAAGCTTCTGCACTGTGGC
CATACCATCTGCCGCCAGTGCCTGGAGAAGCTATTGGCCAGTAGCATCAATGGTGTCCGC
TGTCCCTTTTGCAGCAAGATTACCCGCATAACCAGCTTGACCCAGCTGACAGACAATCTG
ACAGTGCATAAAGATCATTGATACAGCTGGGCTCAGCGAGGCTGTGGGGCTGCTCATGTGT
CGGTCTGTGGGCGGCGTCTGCCCGGCAATTCTGCCGGAGCTGTGGTTTGGTGTATGT
GAGCCCTGCCGGGAGGCAGACCATCAGCCTCCTGGCCACTGTACTCCCTGTCAAAGAA
GCAGCTGAGGAGCGGCGTCCGGACTTTGGAGAGAAGTTAACTCGTCTGCCGGAACCTATG
GGGAGCTGCAGCGGCGGAAGGCAGCCTTGAAGGTGTCTCCAAGGACCTTCAGGCAAGG
TATAAAGCAGTTCTCCAGGAGTATGGGCATGAGGAGCGCAGGGTCCAGGATGAGCTGGCT
CGCTCTCGGAAGTTCTTTCACAGGCTCTTTGGCTGAAGTTGAGAAGTCCAATAGTCAAGT
GTAGAGGAGCAGAGTTACCTGCTTAACATTGCAGAGGTGCAGGCTGTGTCTCGCTGTGAC
TACTTCTGGCCAAGATCAAGCAGGCAGATGTAGCACTACTGGAGGAGACAGCTGATGAG
GAGGAGCCAGAGCTCACTGCCAGCTTGCCTCGGGAGCTCACCCCTCAAGATGTGGAGCTC
CTTAAGGTAGGTCATGTTGGCCCCCTCCAAATTGGACAAGCTGTTAAGAAGCCCCGGACA
GTTAACGTGGAAGATTCTGGGCCATGGAGGCCACAGCGTCTGCTGCCTTACCTCTGTT
ACTTTTAGAGAGATGGACATGAGCCCGGAGGAAGTGGTTGCCAGCCCTAGGGCCTCACCT
GCTAAACAGCGGGGTCTGAGGCAGCCTCCAATATCCAGCAGTGCCTCTTTCTCAAGAAG
ATGGGGGCCAAAGGCAGCACTCCAGGAATGTTCAATCTTCCAGTCAGTCTCTACGTGACC
AGTCAAGGTGAAGTACTAGTCGCTGACCGTGGTAACTATCGTATACAAGTCTTTACCCGC
AAAGCTTTTTGAAGGAAATCCGCCAGCCCCAGTGGCATTGATAGCTTTGTGCTAAGC
TTCTTGGGGCAGATCTACCCAACCTCACTCCTCTCTCAGTGGCAATGAACTGCCAGGGG
CTGATTGGTGTGACTGACAGCTATGATAACTCCCTCAAGGTATATACCTTGGATGGCCAC
TGCGTGGCCTGTACAGGAGCCAGCTGAGCAAACCATGGGGTATCACAGCCTTGCCATCT
GGCCAGTTGTAGTAACCGATGTGGAAGGTGGAAGCTTTGGTGTTCACAGTTGATCGA
GGATCAGGGGTGGTCAAATACAGCTGCCTATGTAGTGTGTGCGGCCCAAATTTGTACC
TGTGATGCTGAGGGCACCGTCTACTTCAACCAGGGCTTAGGCCTCAATCTGGAGAATCGG
CAGAATGAGCACCACTGGAGGGTGGCTTTTCCATTGGCTCTGTAGGCCCTGATGGGCAG
CTGGGTGCCAGATTAGCCACTTCTTCTCGGAGAATGAGGATTTCCGCTGCATTGCTGGC
ATGTGTGTGGATGCTCGTGGTGTCTCATCGTGGCTGACAGTAGTCGCAAGGAAATCTC
CATTTTCTAAGGGTGGGGGCTATAGTGTCTTATTCGAGAGGGACTTACCTGTCCGGTG
GGCATAGCCCTAACTCCTAAGGGGCAGCTGCTGGTCTTGGACTGTTGGGATCATTGCATC
AAGATCTACAGCTACCATCTGAGAAGATATTCCACCCCA

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Restriction Sites: Please inquire
ACCN: NM_001099679

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001099679.1](#), [NP_001093149.1](#)

RefSeq Size: 3731 bp

RefSeq ORF: 1962 bp

Locus ID: 22954

UniProt ID: [Q13049](#)

Cytogenetics: 9q33.1

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 (2) uses a different splice site in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.