

Product datasheet for **SC108792**

TRIM68 (NM_018073) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM68 (NM_018073) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM68
Synonyms:	GC109; RNF137; SS-56; SS56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC108792 representing NM_018073.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCCCACAGCCTTGGTGAAGCCATTGTGAAGAAGTGGCCTGTCCCATCTGTATGACCTTCCTG
AGGGAGCCCATGAGCATTGACTGTGGCCACAGCTTCTGCCACAGCTGTCTCTGGACTCTGGGAGATC
CCAGGAGAATCCAGAACTGGGGTTACACCTGTCCCCTGTGCGAGCTCCTGTCCAGCCAAGGAACCTG
CGGCCTAATTGGCAGCTGGCCAATGTTGTAGAAAAAGTCCGTCTGCTAAGGCTACATCCAGGAATGGGG
CTGAAGGGTGACCTGTGTGAGCGCCATGGGAAAAAGCTGAAGATGTTCTGCAAAGAGGATGTCTTGATA
ATGTGTGAGGCCCTGCAGCCAGTCCCAGAGCATGAGGCCACAGTGTGTGCCAATGGAGGATGTTGCC
TGGGAGTACAAGTGGAACTTCATGAGGCCCTCGAACATCTGAAGAAAGAGCAAGAAGAGGCCTGGAA
CTTGAAGTTGGTAAAGGAAACGAACCTGCCACCTGGAAGATACAGGTGGAACCCGAAAACAGAGTATT
GTATGGGAGTTTAAAAATACCAGCGATTACTAGAGAAAAAGCAGCCACCACATCGGCAGCTGGGGGCA
GAGGTAGCAGCAGCTCTGGCCAGCTACAGCGGGAGGCAGCGGAGACCATGCAGAACTGGAGTTGAAC
CATAGCGAGCTCATCCAGCAGAGCCAGGTCTGTGGAGGATGATTGCAGAGTTGAAAGAGAGGTCGCAG
AGGCCTGTCCGCTGGATGTTGCAGGATATTCAGGAAGTGTAAACAGGAGCAAATCTTGGAGCTGCAG
CAGCCAGAACCAATCTCCCTGGAGTTGAAGACAGATTGCCGTGTGCTGGGGCTAAGAGAGATCCTGAAG
ACTTATGCAGCTGATGTGCGCTTGGATCCAGATACTGCTTACTCCCGTCTCATCGTGTCTGAGGACAGA
AAACGTGTGCACTATGGAGACACCAACCAGAACTGCCAGACAATCCTGAGAGATTTTACCGCTATAAT
ATCGTCTGGGAAGCCAGTGCATCTCCTCAGGCCGGCACTACTGGGAGGTGGAGGTGGGAGACAGGTCT
GAGTGGGGCTGGGAGTATGTAAGCAAAATGTAGACCGGAAGGAGGTGGTCTACTTATCCCCCACTAT
GGATTCTGGGTGATAAGGCTGAGGAAGGAAATGAGTACCGAGCAGGCACCGATGAGTACCCAATCCTG
TCCTTGGCGGTCCCTCCTCGCCGGTGGGAATCTTCGTGGATTATGAGGCCCATGACATTTCTTTCTAC
AATGTGACTGACTGTGGCTCCCACATCTTCACTTTCCCCCGCTATCCCTTCCCTGGGCGCTCCTGCC
TATTTTAGTCCTTGTACAGCATTGGAACCAACAACACTGCTCCTCTGGCCATCTGCTCCCTGGATGGG
GAGGACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_018073

Insert Size: 1458 bp

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](#)

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_018073.7](#)

RefSeq Size: 3372 bp

RefSeq ORF: 1458 bp

Locus ID: 55128

UniProt ID: [Q6AZZ1](#)

Cytogenetics: 11p15.4

Domains: zf-B_box, RING, SPRY

Protein Families: Druggable Genome

MW: 56.3 kDa

Gene Summary: This gene encodes a member of the tripartite motif-containing protein family, whose members are characterized by a "really interesting new gene" (RING) finger domain, a zinc-binding B-box motif, and a coiled-coil region. Members of this family function as E3 ubiquitin ligases and are involved in a broad range of biological processes. This gene regulates the activation of nuclear receptors, such as androgen receptor, and has been implicated in development of prostate cancer cells, where its expression increases in response to a downregulation of microRNAs. In addition, this gene participates in viral defense regulation as a negative regulator of interferon-beta. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).