

Product datasheet for **SC313946**

TRIM23 (NM_033228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM23 (NM_033228) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM23
Synonyms:	ARD1; ARFD1; RNF46
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_033228 edited
 ATGGCTACCCTGGTTGTAACAAGCTCGGAGCGGGAGTAGACAGTGGCCGGCAGGGCAGC
 CCGGGGACAGCTGTAGTGAAGGTGCTAGAGTGTGGAGTTTGTGAAGATGTCTTTTCTTTG
 CAAGGAGACAAAGTTCGCCGCTTTTGTGTTTGTGGCCATACCGTCTGTCATGACTGTCTC
 ACTCGCTACCTCTTCATGGAAGAGCAATCCGTTGCCATTTGATCGACAAGTAACAGAC
 CTAGGTGATTACAGGTGTCTGGGGATTGAAAAAAAAATTTGCTTTATTGGAGCTTTTGAA
 CGACTGCAGAATGGGCCTATTGGTCAGTATGGAGCTGCAGAAGAATCCATTGGGATATCT
 GGAGAGAGCATCATTCGTTGTGATGAAGATGAAGCTCACCTTGCCCTGTATATTGCACT
 GTGTGTGCAACTCATTTGTGCTCTGAGTGTCTCAAGTTACTCATTCTACAAAGACATTA
 GCAAAGCACAGGCGAGTTCCTCTAGCTGATAAACCTCATGAGAAAATATGTGCTCTCAG
 CACCAGGTGCATGCCATTGAGTTTGTGTTGCTTGGAAAGAAGTTGTCAAAGTACGCCACTC
 ATGTGCTGTGCTGCAAAGAATATGGAAAACACCAGGGTCACAAGCATTAGTATTGGAA
 CCAGAAGCTAATCAGATCCGAGCATCAATTTAGATATGGCTCACTGCATACGGACCTTC
 ACAGAGGAAATCTCAGATTATCCAGAAAATTAGTTGGAATTGTGCAGCACATTGAAGGA
 GGAGAACAAATCGTGGAAAGTGAATTGGAATGGCTCACACAGAACATGTACCAGGGACT
 GCAGAGAATGCCCGGTCAATGATTCGAGCTTATTTTATGATCTACATGAAACTCTGTGT
 CGTCAAGAAGAAATGGCTCTAAGTGTGTTGTGATGCTCATGTTCTGTAAGAAATGATTGG
 CTCAGGCAGCAACAAGAAGATATGACTATTTTGTGTCAGAGTTTCTGCAGCCTGCCTC
 CACTGTGAAAAGACTTTGCAGCAGGATGATTGTAGAGTTGCTTTGGCAAAACAGGAAAT
 ACAAGGTTACTGGAAACATTGCAGAAACAGCAGCAGCAGTTTACAGAAGTTGCAGATCAC
 ATTCAGTTGGATGCCAGCATCCCTGTCACTTTTACAAAGGATAATCGAGTTCACATTGGA
 CCAAAAATGGAAATTCGGGTCGTTACGTTAGGATTGGATGGTGGTGGAAAACTACTATC
 TTGTTTAAAGTTAAAACAGGATGAATTCATGCAGCCCATTCACAACAAATGGTTTTAACGTG
 GAAACTGTAGAATATAAAAATCTAAAATCACTATTTGGGATGTAGGTGGAAAAACAAAA
 TTAAGACCATTGTGAAAACATTATTACCTCAACTCAAGCTGTTGTGTTTGTGTAGAT
 AGCAGTCATAGAGACAGAATTAGTGAAGCACACAGCGAACTTGCAAAGTTGTTAACGGAA
 AAAGAATCCGAGATGCTCTGCTCCTGATTTTTGCTAACAAACAGGATGTTGCTGGAGCA
 CTGTCAGTAGAAGAAATCACTGAAGTACTCAGTCTCCATAAATTATGCTGTGGCCGTAGC
 TGTTTTTTCAGATAATATGTGA

Restriction Sites: Please inquire

ACCN: NM_033228

Insert Size: 1800 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).

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_033228.2](#), [NP_150231.1](#)

RefSeq Size: 2400 bp

RefSeq ORF: 1641 bp

Locus ID: 373

UniProt ID: [P36406](#)

Cytogenetics: 5q12.3

Domains: zf-B_box, RING, RAB, BBC, SAR, ARF, arf

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. This protein is also a member of the ADP ribosylation factor family of guanine nucleotide-binding family of proteins. Its carboxy terminus contains an ADP-ribosylation factor domain and a guanine nucleotide binding site, while the amino terminus contains a GTPase activating protein domain which acts on the guanine nucleotide binding site. The protein localizes to lysosomes and the Golgi apparatus. It plays a role in the formation of intracellular transport vesicles, their movement from one compartment to another, and phospholipase D activation. Three alternatively spliced transcript variants for this gene have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (gamma) is alternatively spliced near the 3' end of the coding region. This introduces a frameshift and the encoded isoform gamma has a unique C-terminus compared to isoforms alpha and beta.