

Product datasheet for **SC312969**

TRIM5 alpha (TRIM5) (NM_033093) Human Untagged Clone

Product data:

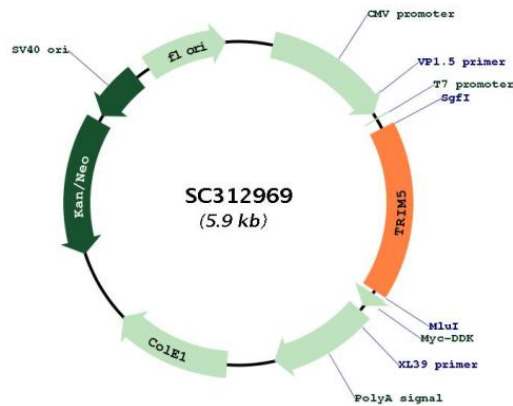
Product Type:	Expression Plasmids
Product Name:	TRIM5 alpha (TRIM5) (NM_033093) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM5
Synonyms:	RNF88; TRIM5alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312969 representing NM_033093. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTCTGGAATCCTGGTTAATGTAAGGAGGAGGTGACCTGCCCATCTGCCTGGAACCTCTGACA
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CAAGTGAAGCTCCAGGCAGCTCTGGAGATGCTGAGGCAGAAGCAGCAGGAAGCTGAAGAGTTAGAAGCT
GACATCAGAGAAGAGAAAGCTTCTGGAAGACTCAAATACAGTATGACAAAACCAACGTCTTGGCAGAT
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GAAGACATTCTGAAAAGCCTTACGAACTCTGAACTGAGATGGTGCAGCAGACCCAGTCCCTGAGAGAG
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CAGCCTCCAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_033093

Insert Size: 981 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_033093.2](#)

RefSeq Size: 2029 bp

RefSeq ORF: 981 bp

Locus ID: 85363

UniProt ID: [Q9C035](#)

Cytogenetics: 11p15.4

Protein Families: Druggable Genome

MW: 37.7 kDa

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 forms homo-oligomers via the coiled-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiquitinates itself to regulate its subcellular localization. It may play a role in retroviral restriction. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (delta) differs in the 5' UTR and uses an alternate splice site in the 3' terminal exon, which results in a frameshift, compared to variant alpha. The encoded isoform (delta) has a shorter and distinct C-terminus, compared to isoform alpha. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.