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Product datasheet for SC305675

TRIM10 (NM_052828) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM10 (NM_052828) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM10
Synonyms:	HERF1; RFB30; RNF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305675 representing NM_052828. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCCTCTGCTGCCTCTGTGACCAGCCTGGCAGATGAAGTCAACTGCCCCATCTGTCAGGGTACCCTG AGGGAGCCGGTCACTATCGACTGCGGCCACAACTTCTGCCGGGCCTGCCTTACCCGCTACTGTGAGATA CCAGGCCCAGACCTGGAGGAGTCCCCTACTTGCCCACTCTGCAAAGAACCCTTCCGTCCTGGGAGCTTC CGGCCCAACTGGCAGCTGGCTAACGTGGTGGAGAACATTGAGCGCCTCCAGCTGGTGTCCACACTGGGT TTGGGAGAGGAGGATGTCTGCCAAGAGCACGGAGAGAAGATCTACTTCTTCTGTGAGGATGATGAGATG CAGTTGTGCGTGGTGTGCCGGGAGGCTGGGGAGCACGCTACCCACACCATGCGCTTCCTGGAGGATGCA GCGGCTCCCTATAGGGAACAAATCCATAAGTGTCTTAAATGTCTAAGAAAAGAGAGAGAGGAGATTCAA GAAATCCAGTCAAGAGAAAATAAAAGGATGCAAGTCCTCCTGACTCAGGTGTCCACCAAGAGACAACAG GTGATTTCTGAGTTCGCACACCTGAGGAAGTTTCTAGAGGAACAGCAGAGCATCCTCTTAGCACAATTG GAGAGCCAGGATGGGGACATCTTGAGGCAACGGGATGAATTTGATTTGCTGGTTGCTGGGGAGATCTGC CGGTTTAGTGCTCTTATTGAAGAACTGGAGGAGAAGAATGAGAGGCCAGCAAGGGAGCTCCTGACGGAC ATCAGAAGCACTCTAATAAGATGTGAAACCAGAAAGTGCCGGAAACCGGTGGCTGTGTCGCCAGAGCTG GGCCAGAGGATTCGGGACTTTCCCCAGCAGGCCCTCCCGCTGCAGAGGGAGATGAAGATGTTTCTGGAA AAACTATGCTTTGAGTTGGACTATGAGCCAGCTCACATTTCTCTAGACCCTCAGACTTCCCACCCCAAG CTCCTCTTGTCCGAGGACCACCAGCGAGCTCAGTTCTCCTACAAATGGCAGAACTCACCAGACAACCCC CAACGTTTTGACCGGGCCACCTGTGTTCTGGCCCACACTGGCATCACAGGGGGGAGACACACGTGGGTG TGGATGGCCAGGGTACCTGGGGACTCAGGCTGCTGCCAGTTCTGCTCACCACCATCCGTGCTTGGCACA GAAGTAGCTGCATAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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ACCN:	NM_052828
Insert Size:	1188 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_052828.2
RefSeq Size:	3033 bp
RefSeq ORF:	1188 bp
Locus ID:	10107
UniProt ID:	Q9UDY6
Cytogenetics:	6p22.1
Protein Families:	Druggable Genome
MW:	45.3 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. This protein localizes to cytoplasmic bodies. Studies in mice suggest that this protein plays a role in terminal differentiation of erythroid cells. Alternate splicing of this gene generates two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate splice site that results in the introduction of a 539 nt intron between a 3' penultimate and 3' terminal exon, compared to the 3' terminal exon of variant 1. This results in a frameshift and introduction of a novel stop codon. Isoform 2 has a distinct C-terminus and is 86 aa shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because transcript sequence consistent with the reference genome assembly was not available for all regions of the RefSeq transcript. The extent of this transcript is supported by transcript alignments.