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Product datasheet for RG202831

TRIM14 (NM_033219) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM14 (NM_033219) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG202831 representing NM_033219
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGCGCGCCC

ATGGCGGGCGCGGCGACCGGGAGCCGGACCCCTGGGAGGTCGGAGCTTGTCGAGGGATGCGGCTGGCGCT
GCCCGGAGCATGGCGACCGCGTGGCTGAGCTCTTCTGTCGCCGCTGCCGCCGCTGCGTGTGCGCGCTTTG
CCCGGTGCTGGGCGCGCACCGTGGCCACCCTGTGGGCCTGGCGCTGGAGGCAGCGGTGCACGTGCAGAAA
CTCAGCCAAGAATGTTTAAAGCAGCTGGCAATCAAGAAGCAGCAGCACATTGACAACATAACCCAGATAG
AAGATGCCACCGAGAAGCTCAAGGCTAATGCAGAGTCAAGTAAAACCTGGCTGAAGGGGAAATTCACTGA
ACTCAGATTACTACTTGACGAAGAGGAAGCGCTGGCCAAGAAATTCATTGATAAAAACACGCAGCTTACC
CTCCAGGTGTACAGGGAACAAGCTGACTCTTGCAGAGAGCAACTTGACATCATGAATGATCTCTCCAACA
GGGTCTGGAGTATCAGCCAGGAGCCCGATCCTGTCCAGAGGCTTCAGGCATACACGGCCACCGAGCAGGA
GATGCAGCAGCAGATGAGCCTCGGGGAGCTGTGCCATCCCGTGCCCCTCTCCTTTGAGCCCGTCAAGAGC
TTCTTTAAGGGCCTCGTGGAAGCCGTGGAGAGTACATTACAGACGCCATTGGACATTCGCCTTAAGGAAA
GCATAAACTGCCAGCTCTCAGACCCTTCCAGCACCAAGCCAGGTACCTTGTTGAAAACCAGCCCCTCACC
AGAGCGATCGCTATTGCTGAAATACGCGCGCACGCCCACGCTGGATCCTGACACGATGCACGCGCGCCTG
CGCCTGTCCGCCGATCGCCTGACGGTGCGCTGCGGCCTGCTGGGCAGCCTGGGGCCCGTGCCCGTGCTGC
GGTTCGACGCGCTCTGGCAAGTGCTGGCTCGTGACTGCTTCGCCACCGGCCGCCACTACTGGGAGGTTGA
CGTGCAGGAGGCGGGCGCCGGCTGGTGGGTGGGCGCGGCCTACGCCTCCCTTCGGCGCCGCGGGGCCTCG
GCCGCCGCCCGCCTGGGCTGCAACCGCCAGTCCTGGTGCCTCAAGCGCTACGACCTTGAGTACTGGGCCT
TCCACGACGGCCAGCGCAGCCGCCTGCGGCCCCGCGACGACCTCGACCGGCTCGGCGTCTTCCTGGACTA
CGAGGCCGGCGTCCTCGCCTTCTACGACGTGACGGGCGGCATGAGCCACCTGCATACCTTCCGCGCCACG
TTCCAGGAGCCGCTCTACCCGGCCCTGCGGCTCTGGGAGGGGGCCATCAGCATCCCCCGGCTGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

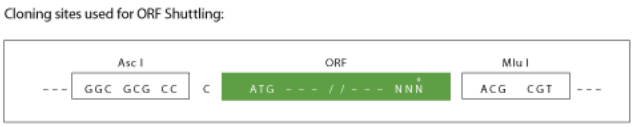
>RG202831 representing NM_033219
Red=Cloning site Green=Tags(s)

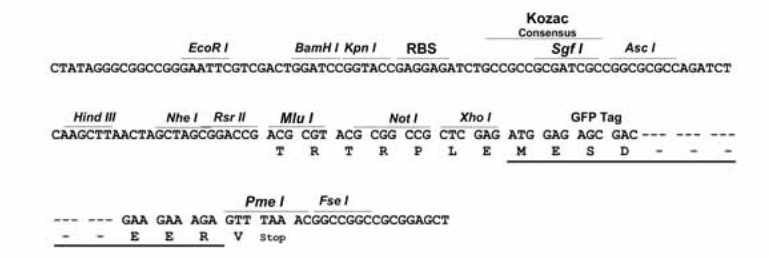
MAGAATGSRTPGRSELVEGCGWRCPEHGDRVAELFCRRCRRCVCALCPVLGAHRGHPVGLALEAAVHVQK
LSQECLKQLAIKKQQHIDNITQIEDATEKLKANAESSKTWLKGKFTELRLLLDEEEALAKKFIDKNTQLT
LQVYREQADSCREQLDIMNDLSNRVWSISQEPDPVQRLQAYTATEQEMQQQMSLGELCHPVPLSFEPVKS
FFKGLVEAVESTLQTPLDIRLKESINCQLSDPSSTKPGTLLKTSPSPERSLLLKYARTPTLDPDTMHARL
RLSADRLTVRCGLLGSLGPVPVLRFDALWQVLARDCFATGRHYWEVDVQEAGAGWWVGAAYASLRRRGAS
AAARLGCNRQSWCLKRYDLEYWAFHDGQRSRLRPRDDLDRLGVFLDYEAGVLAFYDVTGGMSHLHTFRAT
FQEPLYPALRLWEGAISIPRLP

TRTRPLE – GFP Tag – V

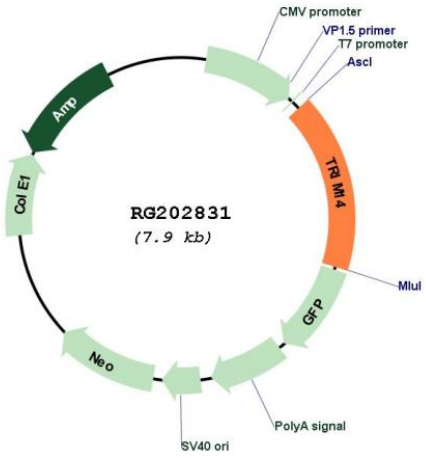
Restriction Sites: AscI-MluI

Cloning Scheme:





Plasmid Map:



ACCN:	NM_033219
ORF Size:	1326 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_033219.3
RefSeq Size:	1479 bp
RefSeq ORF:	1329 bp
Locus ID:	9830
UniProt ID:	Q14142
Cytogenetics:	9q22.33
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. The protein localizes to cytoplasmic bodies and its function has not been determined. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]