

Product datasheet for **RG232855**

TRIM22 (NM_001199573) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM22 (NM_001199573) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM22
Synonyms:	GPSTAF50; RNF94; STAF50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232855 representing NM_001199573
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATTCTCAGTAAAGGTAGACATAGAGAAGGAGGTGACCTGCCCATCTGCCTGGAGCTCCTGACAG
 AACCTCTGAGCCTAGATTGTGGCCACAGCTTCTGCCAAGCCTGCATCACTGCAAAGATCAAGGAGTCAGT
 GATCATCTCAAGAGGGGAAAGCAGCTGTCTGTGTGTCAGACCAGATTCCAGCCTGGGAACCTCCGACCT
 AATCGGCATCTGGCCAACATAGTTGAGAGAGTCAAAGAGGTCAAGATGAGCCACAGGAGGGGCAGAAGA
 GAGATGTCTGTGAGCACCATGGAAAAAAGCTCCAGATCTTCTGTAAGGAGGATGGAAAAGTCATTTGCTG
 GTTTTGTAAGTGTCTCAGGAACACCAAGGTACCAAACATTCCGCATAAACGAGGTGGTCAAGGAATGT
 CAGGAAAAGCTGCAGGTAGCCCTGCAGAGGCTGATAAAGGAGGATCAAGAGGCTGAGAAGCTGGAAGATG
 ACATCAGACAAGAGAGAACCCTGGAAGATCGAGAGACAGAAGATTCTGAAAGGGTTCAATGAAATGAG
 AGTCATCTTGGACAATGAGGAGCAGAGAGAGCTGCAAAAGCTGGAGGAAGGTGAGGTGAATGTGCTGGAT
 AACCTGGCAGCAGCTACAGACCAGCTGGTCCAGCAGAGGCAAGGATGCCAGCACGCTCATCTCAGATCTCC
 AGCGGAGGTTGAGGGGATCGTCAGTAGAGATGCTGACAGGATGTGATTGACGTCATGAAAAGGAGTAAAAG
 CTGGACATTGAAGAAGCCAAAATCTGTTTCCAAGAACTAAAGAGTGTATTCCGAGTACCAGATCTGAGT
 GGGATGCTGCAAGTTCTTAAAGAGCTGACAGATGTCCAGTACTACTGGGTGGACGTGATGCTGAATCCAG
 GCAGTGCCACTTCGAATGTTGCTATTTCTGTGGATCAGAGACAAGTAAAACTGTACGCACCTGCACATT
 TAAGAATCAAATCCATGTGATTTTTCTGCTTTGGTGTCTTCGGCTGCCAATATTTCTCTTCGGGGAAA
 TATTACTGGGAAGTAGATGTGTCTGGAAGATTGCCTGGATCCTGGGCGTACACAGTAAAATAAGTAGTC
 TGAATAAAGGAAGAGCTCTGGTTTGTCTTTGATCCAAGTGAATTAATCAAAAAGTTTACTCCAGATA
 TAGACCTCAATATGGCTACTGGGTTATAGGATTACAGAATACATGTGAATATAATGCTTTTGAGGACTCC
 TCCTCTCTGATCCCAAGTTTTGACTCTTTTATGGCTGTGCCTCCCTGTCGATTGGGGTTTTCTAG
 ACTATGAGGCAGGCATTGTCTCATTTTTCAATGTCACAAACCACGGAGCACTCATCTACAAGTTCTCTGG
 ATGTGCGTTTTCTCGACCTGCTTATCCGATTTCAATCCTTGGAAGTGCCTAGTCCCATGACTGTGTGC
 CCACCGAGCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232855 representing NM_001199573
 Red=Cloning site Green=Tags(s)

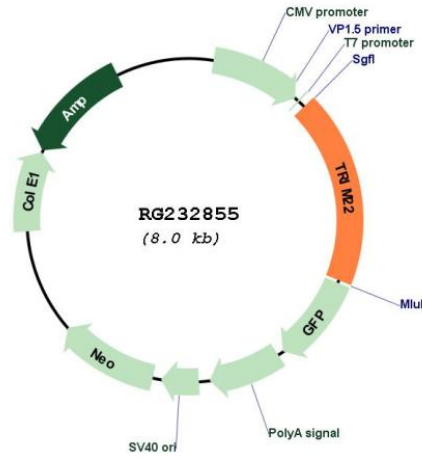
MDFSVKVDIEKEVTCPICLELLTEPLSLDCGHSFCQACITAKIKESVIIIRGESSCPVCQTRFPGNLRP
 NRHLANIVERVKEVKMSPQEGQKRDVCEHHGKKLQIFCKEDGKVICWVCELSQEHQGHQTFRINEVVKEC
 QEKLQVALQRLIKEDQEAEKLEDDIRQERTAWKIERQKILKGFNEMRVILDNEEQRELQKLEEGEVNVL
 NLAAATDQLVQQRQDASTLISDLQRRLRGSSVEMLQDVIDVMKRSESWTLKPKSVSKKLKSVFRVPDLS
 GMLQVLKELTDVQYYWVDVMLNPGSATSNAIVSVDQRQVKTVRTCTFKNSNPCDFSAFGVFGCQYFSSGK
 YYWEVDVSGKIAWILGVHKSISLNRKSSGFAFDPSVNYSKVYSRYRPQYGYWVIGLQNTCEYNAFEDS
 SSSDPKVLTLFMAVPPCRIGVFLDYEAGIVSFFNVTNHGALIYKFSGCRFSRPAYPYFNPWNCLVPMTVC
 PPSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_001199573

ORF Size: 1482 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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_001199573.2
RefSeq Size:	3099 bp
RefSeq ORF:	1485 bp
Locus ID:	10346
UniProt ID:	Q8IYM9
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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 the cytoplasm and its expression is induced by interferon. The protein down-regulates transcription from the HIV-1 LTR promoter region, suggesting that function of this protein may be to mediate interferon's antiviral effects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]</p>