

Product datasheet for **RG221852**

TRIM59 (NM_173084) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM59 (NM_173084) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM59
Synonyms:	IFT80L; MRF1; RNF104; TRIM57; TSBF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221852 representing NM_173084 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACAATTTGAGGAAGAGTTAACTTGTCCCATATGTTATAGTATTTTGAAGATCCTCGTGTACTGC
CATGCTCTCATACTTTGTAGAAATTGTTGGAAAACATTCTTCAGGCATCTGGTAACTTTTATATATG
GAGACCTTACGAATCCACTCAAGTGCCTAATTGCAGAAGTACTGAAATTGCTCCAAGTGGCATT
GAATCTTACCTGTTAATTTGACTAAGGGCTATTATTGAAAAGTACCAGCAAGAAGACCATCCAGATA
TTGTCACCTGCCCTGAACATTACAGGCAACCATTAAATGTTTACTGTCTATTAGATAAAAAATTAGTTT
TGTCATTGCCTTACCATAGGTCAACATCATGGTCATCCTATAGATGACCTTCAAAGTGCCTATTGAAA
GAAAAGGACACTCCTCAAAAAGTCTTGAACAGTTGACTGACACACACTGGACAGATCTTACCCATCTTA
TTGAAAAGCTGAAAGAACAAAAATCTCATTCTGAGAAAATGATCCAAGGCGATAAGGAAGCTGTTCTCCA
GTATTTAAGGAGCTTAATGATACATTAGAACAGAAAAAAGTTTCTTAACGGCTCTCTGTGATGTT
GGCAATCTAATTAATCAAGAATACTCCACAAATTGAAAGAATGAAGGAAATACGAGAGCAGCAGCTTG
AATTAATGGCACTGACAATATCTTACAAGAAGAGTCTCCACTTAAATTTCTTGAAGAAGTTGATGATGT
ACGCCAGCATGTACAGATCTTGAACAAAGACCACTTCTGAGGTTCAACCCGTTGAAATTTATCCTCGA
GTAAGCAAAATTTGAAAGAAGATGGAGCAGAACAGAAATGGACAAATTAAGAAGCTTCTCATTCCCA
AAATGAAAATTTCTCAAAAAGGATGTCATGTTCTGCGCTGGTAAGGATGAAAAGGAAGTTGAATTTT
AAAAATTTTAAACATTGTTGTAGTTACATTAATTTTCAGTAATACTGATGTCGATACTCTTTTTCAACCA
CACATCATAACCTTTTTAAGTGAATCACTTTAATATGTTTTCTGAAGCCTCTCTATCTGTTTACCAAA
GTTTATCTAACAGTCTGCATAAGGTAAGAATACTGTGTCACATTTTCTATTTGTTGAAGGAATTTGT
GTGAAAATAGTTCCCAT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221852 representing NM_173084
Red=Cloning site Green=Tags(s)

MHNFEELTCPICYSIFEDPRVLPCHSHTFCRNCLLENILQASGNFYIWRPLRIPLKCPNCRSITEIAPTGI
 ESLPVNFALRAIIEKYQQEDHPDIVTCPEHYRQPLNVYCLLDKKLVCGHCLTIGQHHGHPIDDLQSAYLK
 EKDTPQKLLLEQLTDTHWTDLTHLIEKLKEQKSHSEKMIQGDKEAVLQYFKELNDTLEQKKKSFLTALCDV
 GNLIHQEYTPQIERMKEIREQQLELMAL TISLQEE SPLKFLEKVDVVRQHVQILKQRPLPEVQPVEIYPR
 VSKILKEEWSRTEIGQIKNVLIPKMKISPKRMSCSWPGKDEKEVEFLKILNIVVVTLISVILMSILFFNQ
 HIITFLSEITLIWFSEASLSVYQSLNSLHKVKNILCHIFYLLKEFVWKIVSH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173084

ORF Size: 1209 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_173084.3](#)

RefSeq Size: 1714 bp

RefSeq ORF: 1212 bp

Locus ID: 286827

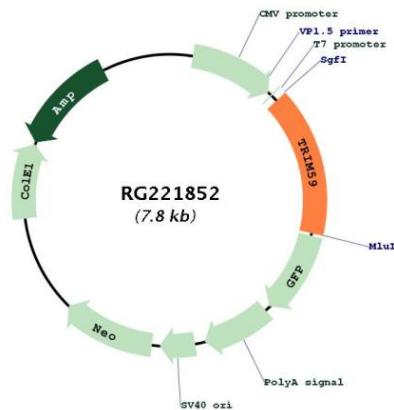
UniProt ID: [Q8IWR1](#)

Cytogenetics: 3q25.33

Protein Families: Druggable Genome, Transmembrane

Gene Summary: May serve as a multifunctional regulator for innate immune signaling pathways. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221852