

Product datasheet for **RG211807**

TRIM42 (NM_152616) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRIM42
Synonyms:	PPPIR40; T4A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211807 representing NM_152616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAACTGCTATGTGCGTTTGCTGTCCATGTTGTACATGGCAGAGATGTTGCTCCTCAGTTATGCTCCT
 GTCTGTGCTGCAAGTTCATCTTCACCTCAGAGCGGAAGTGCACCTGCTTCCCCTGCCCTTACAAAGATGA
 GCGGAAGTGCAGTTCTGCCACTGCACCTGTTCTGAGAGCCCAACTGCCATTGGTGTGCTGCTTGG
 GCCAATGATCCCAACTGTAAGTGTCTGCACAGCCAGCAGCAATCTCAACTGCTACTACTATGAGAGCC
 GCTGCTGCCGCAATACCATCATCACTTTCCACAAGGGCCGCTCAGGAGCATCCATACCTCCTCCAAGAC
 TGCCCTGCGCACTGGGAGCAGCGATACCCAGGTGGATGAAGTAAAGTCAATACCAGCCAACAGTCACCTG
 GTGAACCACCTCAATTGCCCATGTGCAGCCGGCTGCGCTGCACTCATTATGCTGCCCTGCAACCACA
 GCCTGTGCGAGAAGTGCCTGCGGCAGCTGCAGAAGCAGCCGAGGTACCCGAGAAGTCTTTCATCCTCAT
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 CTCCATGTTGCTCTTCAGCAACACTGACAAGAAGGCCAAGGTGGTCTGGAGGCTGTGGGAGAGCCAG
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 GACTCTTTTGAAGTGAATCTATGAAGTCACTTCTCTCTTAACAACGTACAATGGAGCTCTGTG
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 TAAAGTTAGAGCCATCAATGATAATGGTCTGGGCAATGGAGTGATATCTGCAAGGTGGTAACACCATGAT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

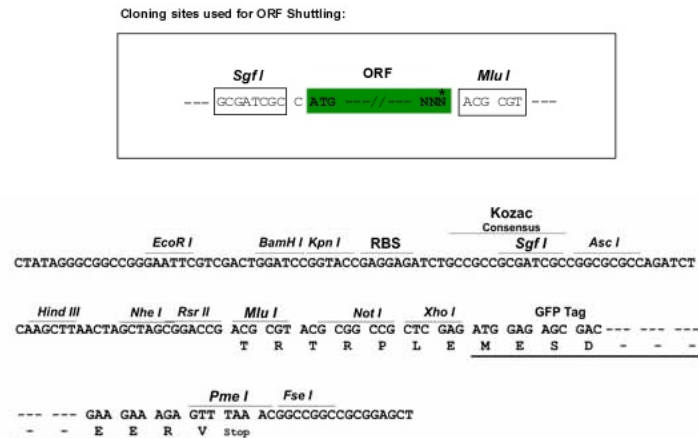
Protein Sequence: >RG211807 representing NM_152616
 Red=Cloning site Green=Tags(s)

METAMCVCCPCTWQRCPPQLCSCLCKFIPTSERNCTFCPCPYKDERNCQFCHCTCSESPNCHWCCSW
 ANDPNCKCCTASSNLNYYYESRCCRNITITFHKGRLRSIHTSSKTALRTGSSDTQVDEVKSIPANSHL
 VNHLNCPMCSRLRLHSFMLPCNHSLCEKCLRQLQKHAETVENFFILICPVCDRSHCMPSYNNKMLPENYL
 HGRLTKRYMQEHGYLKWRFDRSSGPILCQVCRNRRIAYKRCITCRNLNCDCLKAFHSDVAMQDHVVD
 SAEEQDEKICIHHPSSRIEYCRNDNKLCTFCKFSFHNGHDTISLIDACSERAAALFSAIAKFKAVRYE
 IDNDLMEFNILKNSFKADKEAKRKEIRNGFLKLSILQEKEIIMEQIENLEVSQRKEIEKYVYVTTMKV
 NEMDGLIAYSKEALKETGQVAFQLSAKILVDQIEDGIQTTYPDPQLRLHSINYMPDLDFVELSSAHEL
 PTGPKKVRSSGDSLPSYPVHSETMIARKVTFSTHSLGNQHIYQRSSMLSFSTNDKKAKVLEACGRAQ
 SATPAKPTDGLYTYWSAGEDSQSVQNSSSFHNWYSFNDGSVKTPGPVIYQTLVYPRAAKVYWTCPAEDV
 DSFEMEYEVITSPNNVQMELCGQIRDIMQNLHLNTPNTEYVFKVRAINDNPGQWSDICKVVTDP
 GHGKNRAKWGLLKNIQSALQKH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152616

ORF Size: 2169 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152616.3](#), [NP_689829.2](#)

RefSeq Size: 2538 bp

RefSeq ORF: 2172 bp

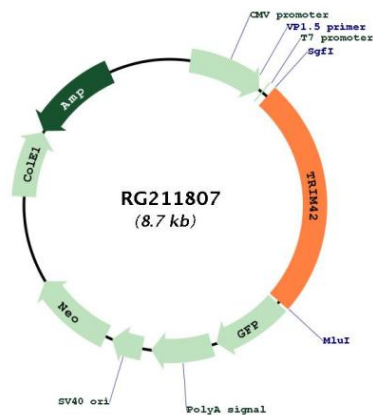
Locus ID: 287015

UniProt ID: [Q8IWZ5](#)

Cytogenetics: 3q23

Gene Summary: This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, namely a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211807