

Product datasheet for **RG234387**

TRIM26 (NM_001242783) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRIM26
Synonyms:	AFP; RNF95; ZNF173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG234387 representing NM_001242783
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCACGTCAGCCCCACTACGGAGCCTGGAAGAGGAGGTGACCTGCTCCATCTGTCTTGATTACCTGC
 GGGACCCTGTGACCATTGACTGTGGCCACGTCTTCTGCCGAGCTGCACCACAGACGTCCGCCCATCTC
 AGGGAGCCGCCCGTCTGCCCACTCTGCAAGAAGCCTTTAAGAAGGAGAATCCGACCCGTGTGGCAA
 CTGGCCAGCCTGGTGGAGAATTGAGCGGCTGAAGGTGGACAAGGGCAGGCAGCCGGGAGAGGTGACCC
 GGGAGCAGCAGGATGCAAAGTTGTGCGAGCGACACCGAGAGAAGCTGCACTACTACTGTGAGGACGACGG
 GAAGCTGCTGTGCGTGATGTGCCGGGAGTCCCGGAGCACAGGCCCCACACGGCCGTCTCATGGAGAAG
 GCCGCCAGCCCCACAGGAAAAAATCCTGAACCACTGAGTACCCTAAGGAGGGACAGAGACAAAATTC
 AGGGCTTCAGGCAAAGGGAGAAGCTGATATCCTGGCCGCGCTGAAGAAGCTCCAGGACCAGAGGCAGTA
 CATTGTGGCTGAGTTTGTGAGCAGGTCATCAGTTCCTGAGGGAGCGGAGGAACACCTGCTGGAACAGCTG
 GCGAAGCTGGAGCAGGAGCTCACGGAGGGCAGGAGAAAGTTCAAGAGCCGGGCGTCGGGGAGCTTGCCC
 GGCTGGCCCTGGTCATCTCCGAACCTGGAGGGCAAGGCGCAGCAGCTGCAGAGCTCATGCAGGACAC
 GAGAGACTTCTAAACAGGTATCCACGGAAGAAGTTCTGGGTTGGGAAACCCATTGCTCGAGTGGTTAA
 AAAAGACCGGAGAATTCTCAGATAAACTCCTCTCTGCAACGAGGCTGAGGGAATCCAGGGGAAGC
 TGCTGAGAGACTTGGAATATAAGACAGTGAGCGTCACCTGGACCCACAGTCGCGCCAGTGGGTACCTGCA
 GCTGTGAGGAGTGAAGTGCGTGACCTACACAGCCTGTACAAGAGTGCCTACCTGCACCCCCAGCAG
 TTTGACTGTGAGCCTGGGTGCTAGGCAGCAAGGGCTTACCTGGGCAAGGTCTACTGGGAAGTGAAG
 TGGAGAGGGAGGCTGGTCTGAGGATGAAGAAGAGGGGATGAGGAGGAAGAGGAGAAGAGGAGGAGGA
 GGAAAGAGGAGGCCGCTATGGGGATGGATATGACGACTGGGAAACGGACGAAGATGAGGAATCGTTGGGC
 GATGAAGAGGAAGAAGAGGAGGAGGAAGAGGAGGAAGTTCTGGAAGCTGCATGGTGGGGGTGGCTAGAG
 ACTCTGTGAAGAGGAAGGGAGACCTCTCCTGCGGCCAGAGGATGGCGTGTGGGCGCTGCGCCTCTCCTC
 CTCCGGCATCTGGCCAAACACAGCCCCGAGGCTGAGCTTTCCAGCACTGCGGCCCGGAGAGTGGGC
 ATCGCCCTGATTATGAAGGGGGCACCCTGACTTTCACCAACGCAGAGTCACAGGAACCTCATCTACACCT
 TCACTGCCACCTTACCCGGCGCTGGTCCCCTTCTGTGGCTCAAGTGCCAGGAACACGCTCTGTCT
 AAGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234387 representing NM_001242783
 Red=Cloning site Green=Tags(s)

MATSAPLRSLSEEVTCISICLDYLRDPVTIDCGHVFCRSCTTDVRPISGSRPVCPLCKKPFKKENIRPVWQ
 LASLVENIERLKVVDKGRQPEVTREQQDAKLCEHREKLHYCEDDGKLLCVMCRESHRPHATAVLMK
 AAQPHREKILNHLSTLRDRDKIQGFQAKGEADILAALKKLQDQRYIVAEFEQGHQFLREREHLLEQL
 AKLEQELTEGREKFKSRGVGELARLALVISELEGKAQQPAELMQDTRDFLNRYPRKKFWVGKPIARVVK
 KKTGEFSDKLLSLQRLREFQKLLRDLEYKTVSVTLDPQSASGYLQLEDWKCVITYSLYKSAYLHPQQ
 FDCEPVLGSKGFTWGVYWEVEVEREGWSEDEEEGDEEEEGEEEEEEEEEAGYGDGYDDWETDEDEESLG
 DEEEEEEEEEEEVLESCMVGVARDSVKRKGDLRLPEDGVWALRLSSSGIWANTSPEAEFLPALRPRRVG
 IALDYEGGTVFTNAESQELIYFTATFTRRLVPFLWLKWPGRLLLRP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242783

ORF Size: 1617 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_001242783.2](#)

RefSeq Size: 3451 bp

RefSeq ORF: 1620 bp

Locus ID: 7726

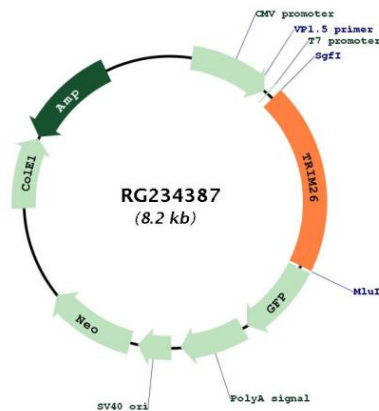
UniProt ID: [Q12899](#)

Cytogenetics: 6p22.1

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. Although the function of the protein is unknown, the RING domain suggests that the protein may have DNA-binding activity. The gene localizes to the major histocompatibility complex (MHC) class I region on chromosome 6. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2011]

Product images:



Circular map for RG234387