OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC202881

TRIM26 (NM_003449) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM26 (NM_003449) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM26
Synonyms:	AFP; RNF95; ZNF173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC202881 representing NM_003449
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACGTCAGCCCCACTACGGAGCCTGGAAGAGGAGGTGACCTGCTCCATCTGTCTTGATTACCTGC
GGGACCCTGTGACCATTGACTGTGGCCACGTCTTCTGCCGCAGCTGCACCACAGACGTCCGCCCCATCTC
AGGGAGCCGCCCCGTCTGCCCACTCTGCAAGAAGCCTTTTAAGAAGGAGAACATCCGACCCGTGTGGCAA
CTGGCCAGCCTGGTGGAGAACATTGAGCGGCTGAAGGTGGACAAGGGCAGGCAGCCGGGAGAGGTGACCC
GGGAGCAGCAGGATGCAAAGTTGTGCGAGCGACACCGAGAGAAGCTGCACTACTACTGTGAGGACGACGG
GAAGCTGCTGTGCGTGATGTGCCGGGAGTCCCGGGAGCACAGGCCCCACACGGCCGTCCTCATGGAGAAG
GCCGCCCAGCCCCACAGGGAAAAAATCCTGAACCACCTGAGTACCCTAAGGAGGGACAGAGACAAAATTC
AGGGCTTCCAGGCAAAGGGAGAAGCTGATATCCTGGCCGCGCTGAAGAAGCTCCAGGACCAGAGGCAGTA
CATTGTGGCTGAGTTTGAGCAGGGTCATCAGTTCCTGAGGGAGCGGGAGGAACACCTGCTGGAACAGCTG
GCGAAGCTGGAGCAGGAGCTCACGGAGGGCAGGGAGAAGTTCAAGAGCCGGGGCGTCGGGGAGCTTGCCC
GGCTGGCCCTGGTCATCTCCGAACTGGAGGGCAAGGCGCAGCAGCCAGCTGCAGAGCTCATGCAGGACAC
GAGAGACTTCCTAAACAGGTATCCACGGAAGAAGTTCTGGGTTGGGAAACCCATTGCTCGAGTGGTTAAA
AAAAAGACCGGAGAATTCTCAGATAAACTCCTCTCTCTGCAACGAGGCCTGAGGGAATTCCAGGGGAAGC
TGCTGAGAGACTTGGAATATAAGACAGTGAGCGTCACCCTGGACCCACAGTCGGCCAGTGGGTACCTGCA
GCTGTCAGAGGACTGGAAGTGCGTGACCTACACCAGCCTGTACAAGAGTGCCTACCTGCACCCCCAGCAG
TTTGACTGTGAGCCTGGGGTGCTAGGCAGCAAGGGCTTCACCTGGGGCAAGGTCTACTGGGAAGTGGAAG
TGGAGAGGGAGGGCTGGTCTGAGGATGAAGAAGAGGGGGATGAGGAGGAAGAGGGAGAAGAGGAGGAGGA
GGAAGAGGAGGCCGGCTATGGGGATGGATATGACGACTGGGAAACGGACGAAGATGAGGAATCGTTGGGC
GATGAAGAGGAAGAAGAGGAGGAGGAAGAGGAGGAAGTTCTGGAAAGCTGCATGGTGGGGGTGGCTAGAG
ACTCTGTGAAGAGGAAGGGAGACCTCTCCCTGCGGCCAGAGGATGGCGTGTGGGCGCTGCGCCTCTCCTC
CTCCGGCATCTGGGCCAACACCAGCCCCGAGGCTGAGCTTTTCCCAGCACTGCGGCCCCGGAGAGTGGGC
ATCGCCCTGGATTATGAAGGGGGCACCGTGACTTTCACCAACGCAGAGTCACAGGAACTCATCTACACCT
TCACTGCCACCTTCACCCGGCGCCTGGTCCCCTTCCTGTGGCTCAAGTGGCCAGGAACACGCCTCCTGCT
AAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202881 representing NM_003449
Red=Cloning site Green=Tags(s)

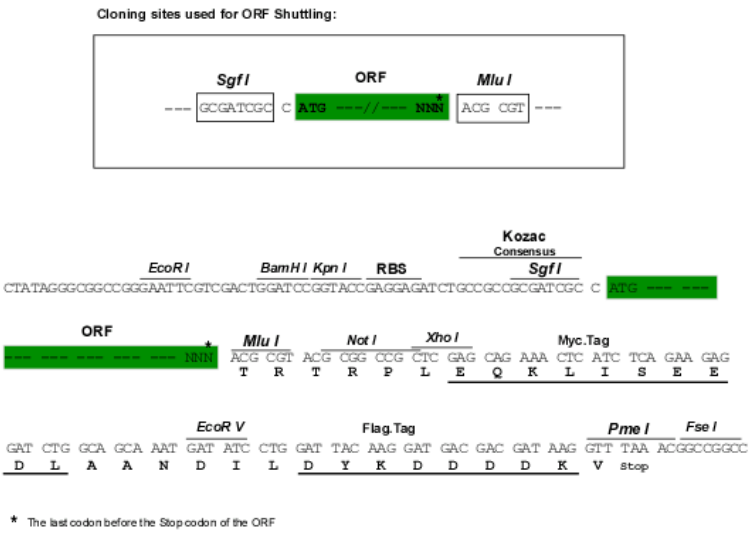
MATSAPLRSLEEEVTCSICLDYLRDPVTIDCGHVFCRSCTTDVRPISGSRPVCPLCKKPFKKENIRPVWQ
LASLVENIERLKVDKGRQPGEVTREQQDAKLCERHREKLHYYCEDDGKLLCVMCRESREHRPHTAVLMEK
AAQPHREKILNHLSTLRRDRDKIQGFQAKGEADILAALKKLQDQRQYIVAEFEQGHQFLREREEHLLEQL
AKLEQELTEGREKFKSRGVGELARLALVISELEGKAQQPAAELMQDTRDFLNRYPRKKFWVGKPIARVVK
KKTGEFSDKLLSLQRGLREFQGKLLRDLEYKTVSVTLDPQSASGYLQLSEDWKCVTYTSLYKSAYLHPQQ
FDCEPGVLGSKGFTWGKVYWEVEVEREGWSEDEEEGDEEEEGEEEEEEEEAGYGDGYDDWETDEDEESLG
DEEEEEEEEEEVLESCMVGVARDSVKRKGDLSLRPEDGVWALRLSSSGIWANTSPEAELFPALRPRRVG
IALDYEGGTVTFTNAESQELIYTFTATFTRRLVPFLWLKWPGTRLLLRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2876_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003449

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_003449.5

RefSeq Size: 3499 bp

RefSeq ORF: 1620 bp

Locus ID: 7726

UniProt ID: Q12899

Cytogenetics: 6p22.1

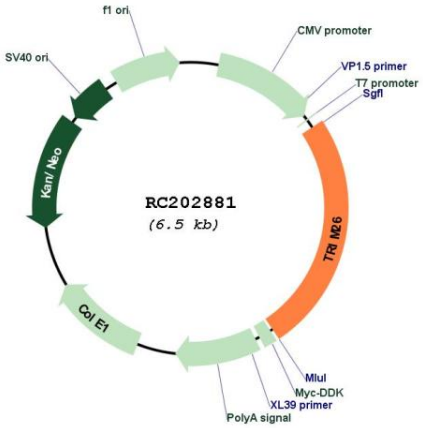
Domains: zf-B_box, RING, SPRY, PRY

Protein Families: Druggable Genome

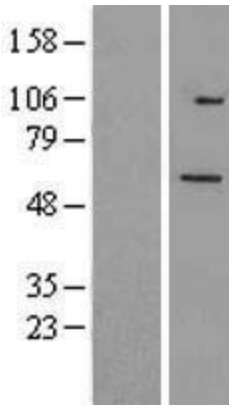
MW: 62 kDa

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]

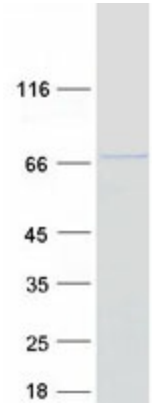
Product images:



Circular map for RC202881



Western blot validation of overexpression lysate (Cat# [LY418675]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202881 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRIM26 protein (Cat# [TP302881]). The protein was produced from HEK293T cells transfected with TRIM26 cDNA clone (Cat# RC202881) using MegaTran 2.0 (Cat# [TT210002]).