

Product datasheet for **RC201930**

TRIM31 (NM_007028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM31 (NM_007028) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM31
Synonyms:	C6orf13; HCG1; HCGI; RNF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC201930 representing NM_007028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGTGGGCAGTTTGTGAACAACTGCAAGAGGAAGTGATCTGCCCATCTGCCTGGACATTCTGC
 AGAAACCTGTCAACATCGACTGTGGGCACAATTTCTGCCTCAAATGCATCACTCAGATTGGGAAACATC
 ATGTGGATTTTTCAAATGTCCCCTCTGCAAACTTCCGTAAGGAAGAACGCAATCAGTTCAACTCGCTG
 TTGCGGAATCTGGTGGAGAAAATCCAAGCTCTACAAGCCTCTGAGGTGCAGTCCAAAAGGAAAGAGGCTA
 CATGCCGAGGCACCAGGAGATGTTCCACTATTTCTGCGAGGATGATGGGAAGTTCCTCTGTTTTGTGTG
 TCGTGAATCCAAGGACCACAAATCCATAATGTCAGCTTGATCGAAGAAGCTGCCAGAATTATCAGGGG
 CAGATTCAAGAGCAGATCCAAGTCTTGCAGCAAAGGAGAAGGAGACAGTACAAGTGAAGGCACAAGGTG
 TACACAGGTCGATGTCTTACGGACCAGGTAGAACATGAGAAGCAAAGGATCCTCACAGAAATTTGAACT
 CCTGCATCAAGTCTAGAGGAGGAGAAGAATTTCTGCTATCACGGATTTACTGGCTGGGTATGAGGGA
 ACGGAAGCGGGGAAACACTATGTTGCCTCCACTGAGCCACAGTTGAACGATCTCAAGAAGCTCGTTGATT
 CCCTGAAGACCAAGCAGAACATGCCACCCAGGCAGCTGCTGGAGGATATCAAAGTCGTTGTGCAGAAG
 TGAAGAGTTTTCAGTTTCTCAACCAACCCCTGTTCTCTGGAAGTGGAGAAAAAAGTCAAGGAAAAA
 TCAAGACAGACTCCATCACAGGAGCCTGAAAAAATTCAAAGACCAACTCCAGGCTGATAGGAAAAAAG
 ATGAAAACAGATTCTTCAAAGCATGAATAAAATGACATGAAGAGCTGGGGCTTGTACAGAAAAATAA
 TCATAAAATGAACAAACCTCAGAGCCCGGTCATCTTCTGCAGGCGGCAGAACTACATCGGGGCCACCA
 AATCACCCTCTCAGCCCCATCCACTCCCTGTTTCGGGCTCGTCTGCTGGGAAAGTCACTTTTCCAG
 TATGCTCCTGGCCTCTTATGATGAGATTTCTGGTCAAGGAGCGAGCTCTCAGGATACGAAGACATTTGA
 CGTTGCGCTGTCCGAGGAGCTCCATGCGGCACTGAGTGAAGTGGCTGACAGCGATCCGGGCTTGGTTTTGT
 AAGGTTCTTCAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201930 representing NM_007028
 Red=Cloning site Green=Tags(s)

MASGQFVNKLQEEVICPCLDILQKPVITDCGHNFLKICITQIGETSCGFFKCPCKTSVRKNAIRFNSL
 LRNLVEKIQALQASEVQSKRKEATCPRHQEMFHYFCEDDGKFLCFVCRESKDHKSHNVSLIEEAAQNYQG
 QIQEQIQVLQQEKETVQVKAQGVHRVDVFTDQVEHEKQRILTEFELLHQVLEEEKNFLLSRIYWLGHG
 TEAGKHYVASTEPQLNDLKKLVDSLKTKQNMPPRQLLEDIKVVLCRSEEFQFLNPVPLELEKLLSEAK
 SRHDSITGSLKFKDQLQADRKKDENRFFKSMNKNDMKSGLLQKNNHKMNKTSEPGSSAGGRTTSGPP
 NHHSSAPSHSLFRASSAGKVTFPVCLLASYDEISGQGASSQDTKTFDVALSEELHAALSEWLTAIRAWFC
 KVPSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2876_a09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007028

ORF Size: 1275 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_007028.5](#)

RefSeq Size: 2049 bp

RefSeq ORF: 1278 bp

Locus ID: 11074

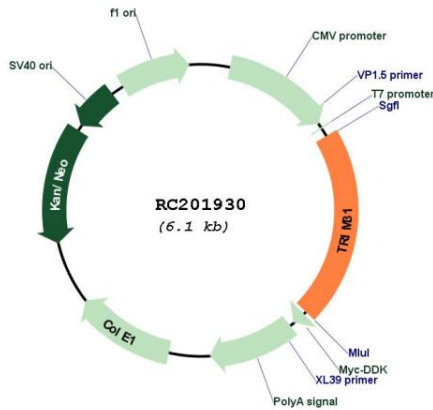
UniProt ID: [Q9BZY9](#)

Cytogenetics: 6p22.1

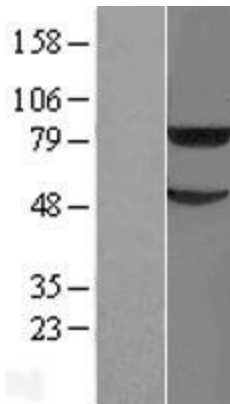
MW: 48.1 kDa

Gene Summary: This gene encodes a protein that functions as an E3 ubiquitin-protein ligase. This gene shows altered expression in certain tumors and may be a negative regulator of cell growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

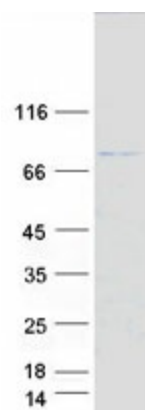
Product images:



Circular map for RC201930



Western blot validation of overexpression lysate (Cat# [LY416247]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201930 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRIM31 protein (Cat# [TP301930]). The protein was produced from HEK293T cells transfected with TRIM31 cDNA clone (Cat# RC201930) using MegaTran 2.0 (Cat# [TT210002]).