

## Product datasheet for **RC217649**

### TRIM67 (NM\_001004342) Human Tagged ORF Clone

#### Product data:

|                           |                        |
|---------------------------|------------------------|
| Product Type:             | Expression Plasmids    |
| Tag:                      | Myc-DDK                |
| Symbol:                   | TRIM67                 |
| Synonyms:                 | TNL                    |
| Mammalian Cell Selection: | Neomycin               |
| Vector:                   | pCMV6-Entry (PS100001) |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |



ORF Nucleotide Sequence: >RC217649 representing NM\_001004342  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGGAAGAGCTGAAGTGTCCCGTGTGCGGCTCTCTGTTTCGGGAGCCTATCATCCTGCCCTGTTCCC  
 ACAATGTCTGCCTGCCTTGCCTCGCACCATCGCGGTGCAGACCCCGGACGGTGAGCAGCACCTGCCCA  
 GCCGCTCCTGCTTTCCCGGGATCGGGGCTGCAGGCGGGCGCCGCCCGCTGCCTCTCTGGAGCACGAC  
 GCTGCGGCTGGCCCGCCTGCGGGGTGCAGGCGGGAGTGCAGTGGCGGCTCGGCGGGGTGCGGGAG  
 GTGGCGGAGACACGCGGACAAGCTCAGCTTGTACAGCGAGACAGACAGCGGTACGGGTCTACACCCC  
 GAGCCTCAAGTCCCCAACGGGTTGCGGTGCTGCCCATGGTGCCCGCACACCCGGTCTCTGGGTGCG  
 GCGGCTCGGGGTGCGCCTGCTCCTCGTGTCTCGTCTTCGAGCTCCATCACGTGCCCGCAGTGCCACC  
 GCAGCGCATCCCTGGACCACCGCGGCTGCGGGCTTCCAGCGCAACCGGTGCTCGAGGCCATCGTGCA  
 GCGGTACCAGCAGGCGCGGGGCGTCCGGGGACGTCTGCAGCCGCGCGGTGGCCATCTGCCAGCTG  
 TGCGACCGCACCCGCCAGAGCCAGCAGCACGCTCTGCGAGCAGTGCGACGTCTCTACTGCTCTGCCT  
 GCCAGCTCAAGTGCATCCATCCCGGGGACCTTCGCCAAGCATCGCTGGTGCAGCCGCCCGCGCGCC  
 GCCCGCGCCCGGAGGCGCCTCCGGGCCACTGGCACCGCCAGGGCGCCCCAGCGGAGGGCGCGCG  
 TGCAAGAGCCCGGAGGCGCGGGGCGGGGCGACTGGGGGACACAGGCCGCAAGTCCCCACGTGTC  
 CCGAGCATGAAATGGAGAACTACAGCATGTACTGCGTGAGCTGTGCAACCCCGGTGTGTTATCTGTGCCT  
 GGAGGAGGGCCGCGACGCCAAGCACGAGGTGAAGCCGCTGGGGGCCATGTGAAGCAGCACAAAGCACAA  
 CTATCTCAGGCCTTAAATGGAGTTTCAGATAAAGCAAGGAAGCAAGGAGTTTCTGGTTACAGTAAAGA  
 ACATATTGCAGCAGATCCAGGAAAACGACTGGACTACGAAGCCTGCCTCGTTGCTCAGTGTGATGCCCT  
 TGTGGATGCTTAACTCGTCAGAAAGCCAAAGCTGCTACCAAGGTGACTAAAGAGAGGGAACACAAGTTG  
 AAGATGGTTTGGGACCAGATCAATCACTGCACATTGAAGTGCCTCAGTCCACCGGACTGATGGAGTACT  
 GCCTGGAGGTGATCAAGGAGAACGACCCCTCCGGGTTCTTACAGATCTCAGATGCTCTGATCAAGCGCT  
 CCAGGTGCTCAGGAGCAGTGGGTCAAAGGCGCCCTGGAGCCGAAAGTGTCTGCGGAGTTTGATCTGACT  
 TTGGACAGCGAGCCGCTGCTGCAGGCCATCCACCAGCTGGACTTCATTACAGATGAAATGTAGGGTGCCAC  
 CCGTCCCCCTACTGCAGCTGGAGAAATGCTGCACCCGTAACAACAGCGTCACGCTGGCCTGGAGGATGCC  
 ACCCTTCAACCCACAGCCCGTGGACGGCTACATCCTGGAGCTGGACGACGGTGCCGGGGACAGTTCCGG  
 GAAGTGATCGTGGTAAGGAGACTTTGTGTACCATCGACGGTCTTCACTTCAACAGCACCTACAACGCC  
 GAGTCAAAGCTTTCAACTCTTCTGGTGTGCGGCCCTTACAGTAAAGTGTCTGCTGCAGACATCCGATGT  
 GGCCTGGTTTCAATTTGACCCCAACTCTGGGCATCGGGACATCATTTTATCCAATGACAACCAGACAGCC  
 ACCTGCAGCAGCTATGACGACCGGGTGGTGTGGGCACAGCTGCGTTCTCAAGGGCGTGCACTACTGGG  
 AGCTGCAGTGGACCGGTACGACAACCCAGACCCCGCTTCGGGGTGGCCAGGGCCAGCGTGGTCAA  
 GGACATGATGCTGGCAAGGATGACAAGGCCTGGGCCATGTATGTGGACAACAACCGCAGCTGGTTCATG  
 CACTGCAACTCCACACCAACAGGACGGAAGTGGCGTGTGCAAGGGGGCCACCGTGGGCGTGTGCTGG  
 ACCTGAATAAGCACACTCTACCTTCTTCAACGGGCGAGCAGAGGGCCCCACAGCCTTCAGCCACGT  
 GGACGGGGTCTTATGCCAGCCCTCAGCTCAACCGCAACGTGCAGGTACCCCTGCACACAGGATTGGAA  
 GTGCCGACTAACCTGGGCGGCCAAAGCTGTCAGGCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC217649 representing NM\_001004342

Red=Cloning site Green=Tags(s)

MEELKCPVCGSLFREPIILPCSHNVCLPCARTIAVQTPDGEQHLQPQLLLSRGSGLQAGAAAAA<sup>LEHD</sup>  
AAAGPACGGAGGSAAGGLGGGAGGGGDHADKLSLYSETDSGYGSYTPSLKSPNGVRVLPMPVAPP<sup>GSSAA</sup>  
AARGAACSSLSSSSSITCPQCHRSASLDHRLRGFQRNRLLEAIVQRYQQGRGAVPGTSA<sup>AAVAICQL</sup>  
CDRTPPPEAATLCEQCDVL<sup>YCSACQLKCHPSRGPFAKHRLVQPPPPPPPAEASGPTGTAQ</sup>GAQGSQGGK  
CKSPGGAGATGGSTAR<sup>KFVLTCPHEHMYSMYCVSCTPVCYLCL</sup>EEGRHAKHEVKPLGAMWKQ<sup>HGAQ</sup>  
LSQALNGVSDKAKEAKFVLQ<sup>LKNILQQIQENGLDYEACLVAQCDALVDAL</sup>TRQAKL<sup>LTKVTKEREHL</sup>  
KMVWDQINHCTLKL<sup>RQSTGLMEYCLEVIKENDPSGFLQISDALIKRVQSQE</sup>QVWKGALEPKVSAE<sup>FDLT</sup>  
LDSEPLLQAIHQ<sup>LDFIQMKCRVPPVPLLQLEKCC</sup>TRNNSVTLAWRMP<sup>PTHSPVDGYILELDDGAGGQF</sup>  
EVYVGKETLCTIDGLHFNSTYNARVKA<sup>FNSSGVGYSKTVVLQTS</sup>DAWFTFD<sup>PNSGHRDII</sup>LSNDNQT<sup>A</sup>  
TCSSYDDRRVLTGA<sup>AFSKGVHYWELHVDRYDNHPDAFGVARASVVKD</sup>MMLGKDDKAWAMY<sup>VDDNRSWFM</sup>  
HCNSHTNRTEGGK<sup>GATGVGLDLNKH</sup>TLTFFINGQQQGTAFSHVDGV<sup>FMPALSLNRNVQVTLHTGLE</sup>  
VPSLGRPKV<sup>CNG</sup>

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

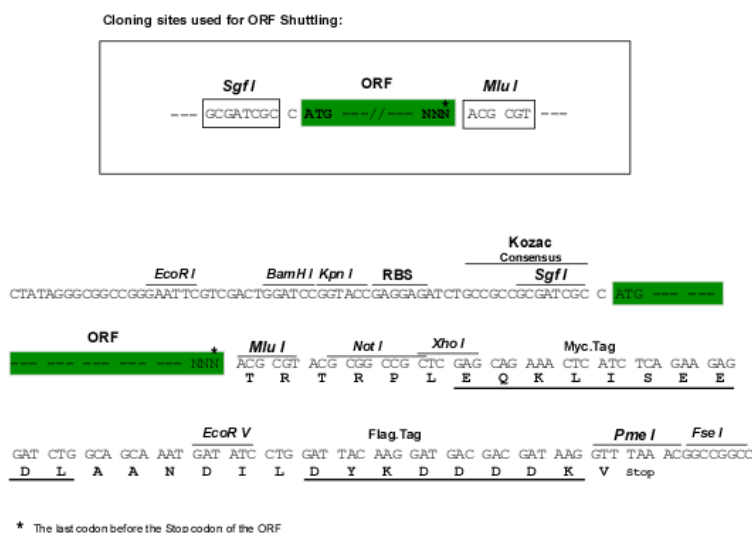
**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8015\\_all.zip](https://cdn.origene.com/chromatograms/mk8015_all.zip)

**Restriction Sites:**

Sgfl-MluI

### Cloning Scheme:



**ACCN:**

NM\_001004342

**ORF Size:**

2349 bp

**OTI Disclaimer:**

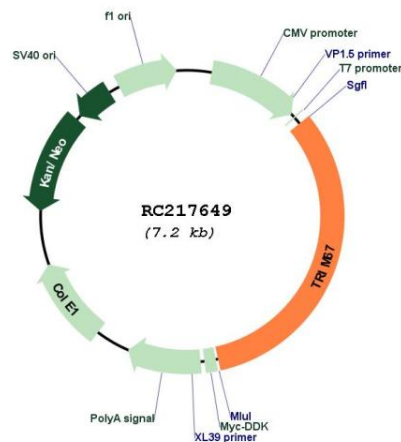
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001004342.4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 8522 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2352 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 440730                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q6ZTA4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 1q42.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>                    | 83.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Product images:**



Circular map for RC217649

Western validation with an anti-DDK antibody  
\* L: Control HEK293 lysate R: Over-expression lysate

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