

## Product datasheet for **RR206441**

### Trit1 (NM\_001108676) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trit1 (NM_001108676) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trit1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR206441 representing NM\_001108676  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCTGCGGCTGCAGCAGAGCGGTTCTGTGAGCTCTGGATTCCGAGGCCTGCCACGAACACTGC  
 CACTTGTAGTGATTCTCGGGGCTACTGGCACTGGCAAGTCCACTCTGGCTTCAATTAGGCCAGCGGCT  
 CGGCGCGGAGATCGTCAGCGCCGACTCCATGCAGGTCTATGAAGGGCTAGACATCATACCAATAAGGTC  
 TCTGCCAGGAGCAGAAGATGTCCGGCACCACATGATCAGCTTTGTGGATCCACTCGTGACCAGCTACA  
 CCGTGGTAGACTTTAGGAACAGAGCCACTGCCCTGATATCCTTAAGGAACTTAGCACCCACCCCTGGAG  
 GGTTCTAGTGGTGATATTTTGTCTGAGACAAAATTCCTATTGTGGTGGGAGGAACCAATTATTACATT  
 GAGTCTCTGCTCTGAAAGTTCTTGTGACTACCAAGCCCAGGGGATGGGCACTGGGAAAGCGGTTGATC  
 GAAAGTAGAACTTAAAAGGAAGATGGTCATGAACTCCATAAACGGCTAAGCCAGGTGGATCCAGAAAT  
 GGCTGCCAAGCTACACCCACATGACAAACGCAAAGTGGCCAGGAGCTTGAAGTGTGAAAGAAACAGGA  
 GTCTCTCACAGTGAATTCCTTCATCGTCAACACGCAGAGGAAGCGGTGGTCTCTTGGAGGCCCTCTCA  
 AGTTCCCTAACCCATGCATCCTCTGGCTTCATGCTGACCAGGCAGATGAGCGCCTGGATAAGAGAGTGGA  
 CGCATGCTTGCTGCCGACTCTTGAAGAGCTGAGAGATTTTCACAGACGCTATAATCTTAAGAAGCTT  
 TCAGAAGTAGCCAGGACTATCAACATGGTATCTTCCAGTCAATTGGCTTCAAGGAATTTACAGGATACC  
 TGACCACTGAGGGGAAATGCACACCAGAGACTAGTAACCAGCTTCTAAAGAAAGGGGTTGAGGCTCTGAA  
 ACAAGTAACTAAGAGATATGCCCGAAACAGAACCGATGGGTTAGAAACCGCTTTTTGAGCAGACCTGGT  
 CCCAGTGTCCCCCGGTATATGGCTTAGAAGTCTGATGTTTCAAGTGGGAGGAGTTTGTCTGGAGC  
 CTGCTCTCAGTATAGTCCAGAGTTTATCCAGGAGTACAACTACAGCCACTCCAGTGAAGATACCAT  
 CAGTGAAACTGAGAAACAAGAGAAGTTACCACATGTGTGACCTTTGTGACCGGATCATCATTGGGGACCGG  
 GAATGGGCAGCACATAAAAAATCCTCACTTGCACCAATTGAAGAAAAGAAGAAAGTTGGACTTGG  
 ACGCTGTCAGTGCCTTAGGAAGCCTAATTCACCAGACAGTGAAGTGGAAACGCAAGAGGGGGAATC  
 CTCAGGACAGCGTGATCAAGAGCTAAAGGCCAGTGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206441 representing NM\_001108676  
 Red=Cloning site Green=Tags(s)

MAAAAAARAVPVSSGFRGLPRTLPLVILGATGTGKSTLALQLGQRLGGEIVSADSMQVVEGLDIITNKV  
 SAQEQKMCRRHMI SFVDPLVTSYTVVDFRNRATALISLRKLSHPWRVPSGDI FARDKIPVVGNTNYYI  
 ESLLWKVLVTTK PQMGTKAVDRKVELEKEDGHELHKRLSQVDP EMAAKLHPHDKRKRVARSLQVFEETG  
 VSHSEFLHRQHAE EGGGPLGGPLKFPNPCILWLHADQADERLDRVDDMLAAGLLEELRDFHRRYNLKNV  
 SEDSQDYQHGI FQSIGFKEFHEYLTTEGKCTPETS NQLLKKGVEALKQVTKRYARKQNRWVRNRF LSRPG  
 PSVPPVYGLEVS DVSKWEEFVLEPALSI VQSF IQGSKPTATPVKIPYSETENKRSYHMC DLDRI IIGDR  
 EWAHTKSKSHLHQLKRRRLDLDAVSALGSQSNP DSELERKEGESSGQRDQELKASV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

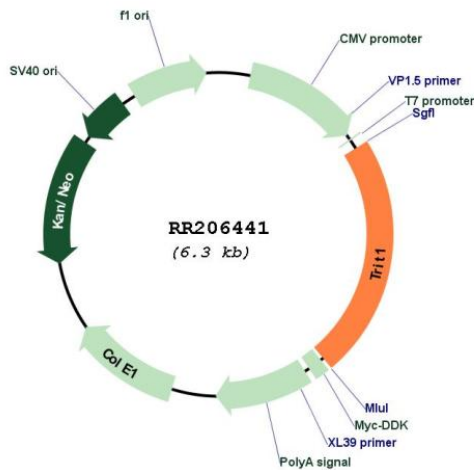
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108676

ORF Size: 1437 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.

**RefSeq:** [NM\\_001108676.1](#), [NP\\_001102146.1](#)

**RefSeq Size:** 2113 bp

**RefSeq ORF:** 1440 bp

**Locus ID:** 362586

**Cytogenetics:** 5q36

**MW:** 53.7 kDa