

Product datasheet for **RR215321**

Tom1 (NM_001008365) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1 (NM_001008365) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tom1
Synonyms:	MGC95142
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR215321 representing NM_001008365
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTTCTCCTGGGAAACCGTTTCAGTTCTCCCGTGGGACAGCGGATCGAGAAAGCTACAGATGGT
 CCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGTGACATCATCAATGAGACCGAGGAAGGCC
 CAAAGATGCCTCCGAGCAGTGAAGAAGCGAATTGTGGGAATAAGAATTTCCATGAGGTCATGCTGGCC
 CTTACGGTCTTGAAACTTGTGTTAAGAACTGCGGGCACCGCTTCCATGTCCTGGTGGCCAGCCAGGACT
 TTGTAGAGAATGTGCTGGTGAAGACCACTGCCGAAGAACAATCCACCCACCATCGTGCATGACAAGGT
 GTTGAACCTCATCCAGTCTGGGACAGCATTCCGCAGCTCACCTGATTTGACAGGTGTTGTTGCTGTC
 TACGAGGACCTGCGAAGGAAGGGCTAGAATTTCCATGACTGACCTGGACATGCTGTCGCCATCCATA
 CACCCAGAGAACTGTATCAACTCAGAGACCATCCAGACAGAACCCCGTGGTCTCCAACAGCAGTCA
 TCGCGGAGACCTGAGCCAGCATGCCACCCACTGCCACTCCAGTGTTCTCCCTGGTGATTCACCCATC
 ACACCAACTCCTGAGCAGATTGGGAAGCTGCGCAGTGAGCTGGAGATGGTGAACGGAAATGTTCCAGTGA
 TGTGAGAGATGCTGACAGAGCTGGTGCCACCCAGGTAGAGCCCGCAGACCTGGAGCTACTACAGAACT
 CAACCGCACCTGCCGCGCCATGCAGCAACGGATCCTGGAGCTTATCCCACGCATCTCCAACGAGCAGCTG
 ACAGAGGAGCTTCTCATGATCAATGACAACCTCAACAATGTGTTTCTGCGCCATGAACGGTTTGAACGCT
 TCCGAACAGGCCAGACTGCCAAGGCTCCGGTGAAGCTGAGCTAGCAGCTGACCTGATTGACATGGGCC
 TGACCCCGCAGCCACCAGCAACCTCTATCCAACTGGCAGGAGTGACCTGGCTCCAGCAGGGTGAGG
 GCTGGCCTGCAGTCTCTGGAAGCGTCTGGTCACTGGAAGATGACTTTGACATGTTTGTCTGACTCGGG
 GCAGCTCCCTGGTGATCAACGAAAGGGGTCAAATACGAGGCTCCCAAACACAGATGGCTGGCTGG
 GGCCCTGGATGCCCGGCAGCAGACACCGGGCGATCCCGGCCACACAGGCCCGCATCATGGAGGACATT
 GAGCAGTGGCTGTCCACCGATGTGGGGAGCAGTGTGAGGAGCCCTCTGGTGTACCAGTGAAGAATTTG
 ACAAATTCCTGGAAGAAAGAGCCAAAGCTGCCGATCGACTTCCAACTGGCCAGCCCTTCCAGCCGAGGG
 ACCCCCCAGACCGTGTCTGGAGCAGCCCTCGGAGGAAGACGCAGGAGAAGGATGATGATGTGCTGTTT
 GCCTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

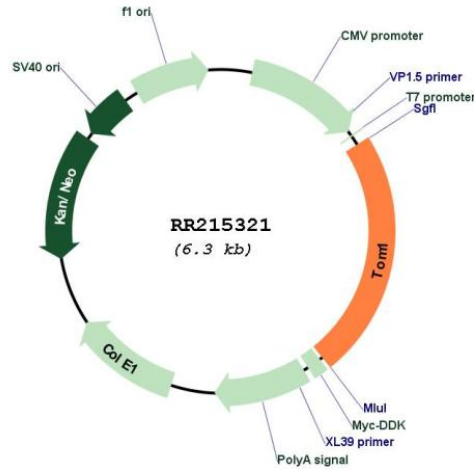
>RR215321 representing NM_001008365
 Red=Cloning site Green=Tags(s)

MDFLLGNPFSSPVGQRIEKATDGSLSQSEDWALNMEICDIINETEEGPKDAFRAVKKRIVGNKNFHEVMLA
 LTVLETVCVKNCGHRFHVLVASQDFVENLVRTILPKNNPPTIVHDKVLNLIQSWADAFRSPDLTGVVAV
 YEDLRRKGLEFPMTDLMLSPIHTPQRTVFNSETPSRQNPVVSNSSHRGDLSQHATPLTPAVLPGDSPI
 TPTPEQIGKLRSELEMVNGNVRVMSEMLTEL VPTQVEPADLELLQELNRTC RAMQQRILELIPRISNEQL
 TEELLMINDNLNNVFLRHERFERFRGTAKASGEAELAADLIDMGPDPAATSNLSSQLAGVDLGSSRVR
 AGLQSLEASGHLEDDFDMFALTRGSSLADQRKGVKYEAPQTTDGLAGALDARQSTGAIPATQARIMEDI
 EQWLSTDVGSSAEPSGVTSEFDKFLERAKAADRLPNLASPSAEGPPRPPCGAAPRRKTQEKDDVLF
 AL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_001008365

ORF Size: 1476 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_001008365.1](#), [NP_001008366.1](#)

RefSeq Size: 2244 bp

RefSeq ORF: 1479 bp

Locus ID: 361370

Cytogenetics: 19p11

MW: 54.1 kDa