

Product datasheet for **RR204628**

Tom1l2 (NM_001108277) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1l2 (NM_001108277) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tom1l2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204628 representing NM_001108277 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACTTGGACGCTCTGTCTCCTATCCACACACCCAGCGGAGTGTCCAGAAATGGATCCAGCTG
CCACCATTCCCAGGTCCCAGTTACAGCCCAGGACAACCTGCTGGCTCGTATTCTTCACCTCCTGCAGCTCC
CTACTCTACTCTACAGGCCCGGCTCTGAGTGTGACGGGCCCATCACAGCCAATTCAGAACAGATTGCT
AGGCTGCGCAGTGAGCTGGACATTGTTTCGGGAAACACAAAAGTCATGTCTGAGATGTTAACAGAAATGG
TCCCTGGGCAGGAGGATTCTTCTGATCTGGAACACTACAGGAGTTGAACAGAACCTGCCGAGCCATGCA
GCACCGCATAGTGGAGCTCATCTCCCGAGTGTCCAATGAGGAGGTACCGAGGAGCTGCTGCACGTCAC
GATGACCTCAACAATGTCTTCTCCGCTATGAGAGGTTGAGAGGTACCGGTCTGGCCGATCCGTTCAGA
ATGCCAGCAATGGAGTACTAAGTGAAGTACTGAAGACAACCTAATAGACCTGGGCCAGGCTCTCCCGC
TGTGGTGAGCCCCATGGTGGGAAGCACGGCACCCCATCTTCTCTCTCTCCCAACTCGCAGGCTTGGAC
TTGGGGACAGAGAGTGTCAAGTGGCACCCTCAGTTCACCTCAGCAGTGCAAGCCACAAGATGGTTTTGACA
TGTTTGCCAGACCAGAGAACTCCTTGGCTGAACAGCGAAAGACGGTCACCTATGAGGATCCCCAGGC
TGTTGGAGGACTCGTCTTCTGCACTAGACAATCGGAAACAGAGCTCAGAAATGAAATGTATGGGAATGCA
TGCTGTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR204628 representing NM_001108277
 Red=Cloning site Green=Tags(s)

MADLDALSPIHTPQRSVPEMDPAATIPRSQIQPRTTAGSYSSPPAAPYSTLQAPALSVTGPITANSEQIA
 RLRSELDIVRGNTKVMSEMLTEMVPGQEDSSDLELLQELNRTC RAMQHRIVELISRVSNEEVTEELLHVN
 DDLNNVFLRYERFERYSRGRSVQNASNGVLSEVTEEDNLIDLGPSPAVVSPMVGSTAPSSLSSQLAGLD
 LGTESVSGTLSSLQQCKPQDGFDMFAQTRGNLAEQQRKTVTYEDPQAVGGLASALDNRKQSSEMEMYGNA
 CLSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001108277

ORF Size: 852 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_001108277.1](#), [NP_001101747.1](#)

RefSeq Size: 1953 bp

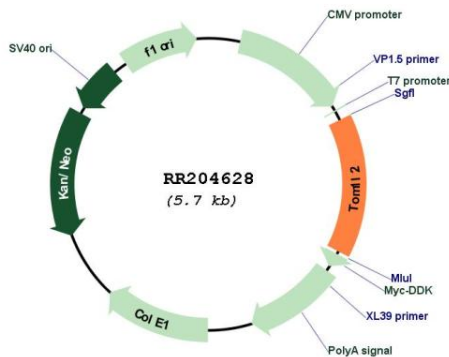
RefSeq ORF: 855 bp

Locus ID: 360537

Cytogenetics: 10q22

MW: 30.7 kDa

Product images:



Circular map for RR204628