

## Product datasheet for **MR216906**

### Tom1l2 (NM\_001039093) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1l2 (NM_001039093) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tom1l2
Synonyms:	2900016I08Rik; A730055F12Rik; AU042072; Srebf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR216906 representing NM\_001039093  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTTCCTGCTGGGGAATCCGTTACGACCCCTGTAGGGCAGTGTCTTGAGAAGGCAACAGATGGTC  
 CCCTGCAGAGCGAGGACTGGACACTGAATATGGAGATCTGTGACATCATCAACGAGACAGAGGAAGGGCC  
 AAAGGATGCCATCCGGGCTCTAAAGAAGCGGCTTAGTGGGAACCGAAACTACAGAGAAGTGATGTTGGCC  
 CTGACGGTCTGGAGACTTGTGTGAAGAACTGTGGCCACCGCTTTCATCTCCTCGTGGCCAAACCGAGACT  
 TCATCGACAGCGTTCTGGTCAAATTAATCTCTCCAAGAATAACCCTCCCACTATCGTCCAGGACAAAGT  
 GCTGGCTCTAATTCAGGCATGGGCAGATGCCTTAGGAGCAGTCTGACCTCACAGGTGTTGTGCACATA  
 TATGAAGAACTGAAGAGGAGGGGATTGAGTCCCCATGGCGGACTTGGACGCCCTGTCTCTATCCACA  
 CACCCAGCGGAGTGTCCAGAAATGGATCCAGCTGCCACCATTCCAGGTCCAGACACAGCCAGGAC  
 AACCGCTGGCACCTATTCCTCACCTCCTCCAGTTCCTACTCTACTCTGCAGGCCCGGCTCTGAGTGTG  
 ACGGGCCCATCACAGCAATTCAGAACAGATTGCCAGGCTGCGCAGTGAGCTGGACATTGTTCCGGGAA  
 ACACAAAAGTCATGTCTGAGATGTTAACAGAAATGGTCCCTGGGACAGGAGGATTCTTCTGATCTGGAAT  
 ACTACAGGAATTGAACAGGACCTGCCGAGCCATGCAGCACCGCATAGTGGAGCTCATCTCCCGAGTGTCC  
 AATGAGGAGGTCACCGAGGAGCTGCTGCACGTCAACGATGACCTCAACAATGTCTTCCCTCCGCTATGAGA  
 GGTTCCGAGAGGTACAGGTCCGGCCGATCCGTTCCAGAAATGCCAGCAATGGAGTACTAAGCGAAGTTACTGA  
 AGACAACCTAATAGACCTGGGCCCGGCTCCCGGCTGTGGTTAGCCCCATGGTGGGAGCACAGCACCC  
 CCATCTTCTCTCTCCTCCAACCTCGCAGGCTTGGACTTGGGACAGAGAGTGTGAGTGGCACCCCTCAGTT  
 CACTTCAGCAGTGCAAGCCACAAGATGGTTTTGACATGTTGCCAGACCAGAGGAACTCCTTGGCTGA  
 ACAGCGAAAAACGGTACCTATGAGGATCCCGAGGCTGTTGGAGGACTCGCTTCTGCACTTGACAATCGG  
 AACAGAACTCAGAAATGGTAGGTCTTACACCTGTGTGCTGCCACAGTCTTCTGGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216906 representing NM\_001039093  
 Red=Cloning site Green=Tags(s)

MEFLLGNPFSTPVGQCLEKATDGSLSQEDWTLNMEICDIINETEEGPKDAIRALKKRLSGNRNYREVMLA  
 LTVLETVCVKNCGHRFHLLVANRDFIDSVLVKIIISPKNNPPTIVQDKVLALIQAWADAFRSPDLTGVVHI  
 YEELKRRGIEFPMADLDALSPIHTPQRSVPMDPAATIPRSQTQPRRTAGTYSSPPASYSYTLQAPALSV  
 TGPIITANSEQIARLRSELDIVRGNTKVMSEMLTEMVPGQEDSSDLELLQELNRTCRAHQHRIVELISRVS  
 NEEVTEELLHVNDLNNVFLRYERFERYRSGRSVQNASNGVLSEVTEENLIDLPGSPAVVSPMVGSTAP  
 PSSLSSQLAGLDLGTESVSGTSSLQOCKPQDGFDMFAQTRGNSLAEQRKTVTYEDPQAVGGLASALDNR  
 KQNSEMVGLHTCVLPTVFWR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001039093

**ORF Size:** 1320 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\\_001039093.1](#), [NP\\_001034182.1](#)

**RefSeq Size:** 2623 bp

**RefSeq ORF:** 1323 bp

**Locus ID:** 216810

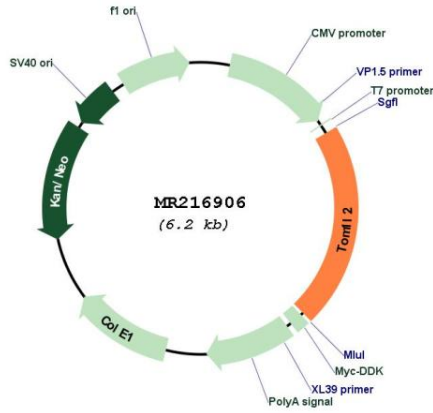
**UniProt ID:** [Q5SRX1](#)

**Cytogenetics:** 11 B2

**MW:** 48.9 kDa

**Gene Summary:** Probable role in protein transport. May regulate growth factor-induced mitogenic signaling (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216906