

Product datasheet for **MG216906**

Tom1l2 (NM_001039093) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tom1l2 (NM_001039093) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tom1l2
Synonyms: 2900016I08Rik; A730055F12Rik; AU042072; Srebf1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216906 representing NM_001039093
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTTCCTGCTGGGGAATCCGTTCCAGCACCCCTGTAGGGCAGTGTCTTGAGAAGGCAACAGATGGCT
 CCCTGCAGAGCGAGGACTGGACTGAATATGGAGATCTGTGACATCATCAACGAGACAGAGGAAGGGCC
 AAAGGATGCCATCCGGCTCTAAAGAAGCGCTTAGTGGGAACCGAACTACAGAGAAGTGTGTTGGCC
 CTGACGGTCTGGAGACTTGTGTGAAGAACTGTGGCCACCGCTTTCATCTCCTCGTGCCCAACCGAGACT
 TCATCGACAGCGTCTGGTCAAAATTATCTCTCCAAGAATAACCCTCCACTATCGTCCAGGACAAAGT
 GCTGGCTCTAATTCAGGCATGGGCAGATGCCTTAGGAGCAGTCCTGACCTCACAGGTGTTGTGCACATA
 TATGAAGAACTGAAGAGGAGGGGATTGAGTTCCCATGGCGGACTTGGACGCCCTGTCTCTATCCACA
 CACCCAGCGGAGTGTCCAGAAATGGATCCAGCTGCCACCATTCCAGGTCCCAGACACAGCCAGGAC
 AACCGCTGGCACCTATTCTCACCTCCTCCAGTTCCTACTCTACTCTGCAGGCCCGGCTCTGAGTGTG
 ACGGGCCCATCACAGCAATTCAGAACAGATTGCCAGGCTGCGCAGTGAGCTGGACATTGTTCCGGGAA
 ACACAAAAGTCATGTCTGAGATGTTAACAGAAATGGTCCCTGGGAGGAGATTCTTCTGATCTGGAAT
 ACTACAGGAATGAACAGGACCTGCCGAGCCATGCAGCACCGCATAGTGGAGTCTATCCCCGAGTGTCC
 AATGAGGAGGTCACCGAGGAGCTGCTGCACGTC AACGATGACCTCAACAATGTCTTCCCGCTATGAGA
 GGTTTCGAGAGGTACAGGTCCGGCCGATCCGTTTCAAGATGCCAGCAATGGAGTACTAAGCGAAGTTACTGA
 AGACAACCTAATAGACCTGGGCCCGGCTCCCCGCTGTGGTTAGCCCCATGGTGGGAGACAGCACCC
 CCATCTTCTCTCTCCTCCAACCTCGCAGGCTTGGACTTGGGACAGAGAGTGTGAGTGGCACCCCTCAGTT
 CACTTCAGCAGTGCAAGCCACAAGATGGTTTTGACATGTTGCCAGACCAGAGGAACTCCTTGCTGA
 ACAGCGAAAAACGGTACCTATGAGGATCCCCAGGCTGTTGGAGGACTCGCTTCTGCACTTGACAATCGG
 AAACAGAACTCAGAAATGGTAGGCTTTCACACCTGTGTGCTGCCACAGTCTTCTGGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216906 representing NM_001039093
 Red=Cloning site Green=Tags(s)

MEFLLGNPFSTPVGQCLEKATDGSLSQSEDWTLNMEICDIINETEEGPKDAIRALKKRLSGNRNYREVMLA
 LTVLETVCVKNCGHRFHLLVANRDFIDSVLVKIIISPKNNPPTIVQDKVLALIQAADAFRSSPDLTGVVHI
 YEELKRRGIEFPMADLDALSPIHTPQRSVPMDPAATIPRSQTQPRRTAGTYSSPPASYSTLQAPALS
 TGPITANSEQIARLRSELDIVRGNTKVMSEMLTEMPGQEDSSDLELLQELNRTCRAHQHRIVELISRVS
 NEEVTEELLHVNDLNNVFLRYERFERYRSGRSVQNASNGVLSEVTEENLIDLPGSPAVVSPMVGSTAP
 PSSLSSQLAGLDLGTESVSGTSSSLQQCKPQDGFDMFAQTRGNSLAEQRKTVTYEDPQAVGGLASALDNR
 KQNSEMVGLHTCVLPTVFWR

TRTRPLE - GFP Tag - V

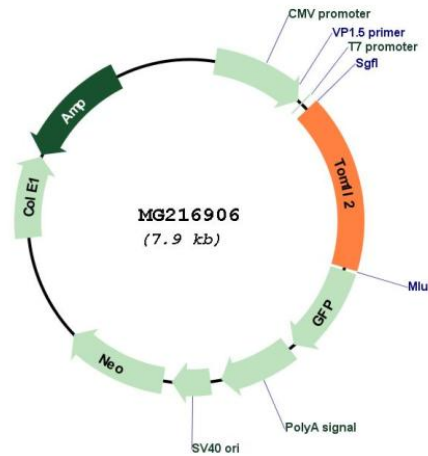
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
Gene Summary:	Probable role in protein transport. May regulate growth factor-induced mitogenic signaling (By similarity).[UniProtKB/Swiss-Prot Function]