

Product datasheet for **MR207890**

Tom1 (NM_011622) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1 (NM_011622) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tom1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207890 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTTTCTCCTGGGAAATCCGTTCCAGTCTCCGGTGGGACAACGGATCGAGAAAGCTACAGATGGCT
 CCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAAATCTGTGACATCATCAACGAGACGGAGGAAGGCC
 CAAAGATGCCTTCCGAGCAGTGAAGAAGCAATTATGGGGAATAAGAATTTCCATGAGGTCATGTGGCC
 CTTACGGTCTTGAAACATGTGTTAAGAACTGTGGGCACCGCTTCCATGTAAGTGGTGGCCAAACAGGACT
 TTGTAGAGAATGTGCTGGTGGAGACCCTCTGCCGAAGAACAATCCACCCACCATTGTGCATGACAAGGT
 GTTGAACCTCATCCAGTCTGGGCTGACGCGTTCGCAGCTCACCTGATTTGACAGGTGTTGTTGCTGTC
 TACGAGGACCTGCGAAGGAAGGGCTAGAATTTCCATGACTGACCTGGACATGCTGTCGCCATCCACA
 CACCCAGAGAACTGTATCAACTCAGAGACACCATCCAGACAGAATCTGTGAGTTCCAACACCAGTCA
 GCGTGGAGACCTGAGCCAGCATGCCACCCTCTGCCACTCCAGCTGTTCTCCCGGTGACTCACCCATC
 ACACCGACTCCTGAGCAGATTGGGAAGCTGCGCAGTGGAGTGGTGGAGCGAAACGTGCGAGTGA
 TGTCAGAGATGCTGACAGAGCTGGTGCCACCCAGGTAGAGCCTCGAGACCTGGAGCTACTACAGAACT
 GAACCGCACCTGCCGTGCCATGCAGCAGCGGATCCTGGAGCTTATCCCACGCATCTCAAATGAGCAGCTG
 ACGGAGGAGCTGCTCATGATCAACGACAACCTCAACAACGTGTTTCTGCGCCATGAACGGTTTGAACGCT
 TCCGAACAGGCCAGACTGCTAAGGCCTCCAGTGAAGCTGAGTAGCTACTGACCTGATTGACATGGGTCC
 TGACCCCGCAGCCACAAACCTCTCATCTCAACTGGCAGGAATGAACCTTGGTCCAGAAGTGTGAGA
 GCTGGCCTGCAGTCTCTGGAGACCTCAGGTACCTGGAAGTACTTTGACATGTTTGTCTGACTCGGG
 GCAGCTCACTGGCTGACCAACGAAAGGGTCAAATATGAAGCTCCCCAAACCACAGATGGCCTGGTGG
 GGCCCTAGATGCCCGGCAGCAGACACCGGAGCGATCCCAGCCACTCAGGCCCGCATCATGGAGGACATT
 GAGCAGTGGCTGTCCACAGATGTGGGAACAGTCTGAGGAGCCCTCTGGTGTACCAGTGAAGAATTTG
 ACAAAATTTCTGGAAGAACGAGCCAAAGCTGCTGATCGACTTCCCAACCTGGCCAGCCCTCAGCCGAGGG
 ACCCCCCAGACCATCTCTGGAACAGCCCTCGGAGGAAGACCCAGGAGAAGGACGATGACATGCTGTTT
 GCCTTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207890 protein sequence
 Red=Cloning site Green=Tags(s)

MDFLLGNPFSSPVGQRIEKATDGSLQSEDWALNMEICDIINETEEGPKDAFRAVKKRIMGNKFNHEVMLA
 LTVLETVCVKNCGHRFHVLVANQDFVENLVRTLILPKNNPPTIVHDKVLNLIQSWADAFRSPDLTGVVAV
 YEDLRRKGLEFPMTDLMLSPIHTPQRTVFNSETPSRQNSVSSNTSQRGDLQSHATPLPTPAVLPGDSPI
 TPTPEQIGKLRSELEMVSGNVRVMSEMLTEL VPTQVEPADLELLQELNRTCRAQQRIEELIPRISNEQL
 TEELLMINDNLNNVFLRHERFERFRGTAKASSEAEALATDLIDMGPDPAATNNLSSQLAGMNLGSRSVR
 AGLQSLQLETSGHLEDDFDMFALTRGSSLADQRKGVKYEAPQTTDGLAGALDARQQSTGAIPATQARIMEDI
 EQWLSTDVGNSAEPPSGVTSEEFDKFLEERAKAADRLPNLASPSAEGPPRSPGTAPRRKTQEKDDDMFL
 AL

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_011622

ORF Size: 1479 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_011622.3](#), [NP_035752.1](#)

RefSeq Size: 2286 bp

RefSeq ORF: 1479 bp

Locus ID: 21968

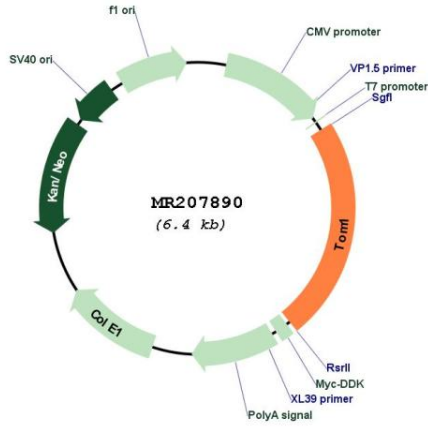
UniProt ID: [O88746](#)

Cytogenetics: 8 C1

MW: 54.3 kDa

Gene Summary: May be involved in intracellular trafficking. Probable association with membranes.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207890