

Product datasheet for **MG224111**

Tomm40 (NM_016871) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tomm40 (NM_016871) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tomm40
Synonyms:	AW539759; Mom35; Tom40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224111 representing NM_016871 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACGTGTTGGCTGCCAGCTCTCCGCCCGAGGGCCACCGCCGCTCCTACGCCGTCCTCGTGG
GGCTCCC GCCCGCCTCCTTCGCCGCCAGGCTTCACTCTGCCGCCGCTCGGCCGGCGCTGGGCACTGG
GTCAAGCACTGGCCGTGGTTCGGAACGGACTCCCGGGGCTGCGGCCAGCGGCGCTGCGGCCGCTCGGAA
GATGGGAGCTGCCGATGCCTGCCAACC CGGGGACGTTTCGAGGAGTGCCACCGGAAGTCAAGGAGCTGT
TTCCAGTTCAGATGGAAGGTGTCAAACCTACAGTCAACAAGGGTTGAGCAACCGTTTCCAGGTGACCCA
CACAGTAGCCCTCGGCACAATTGGGGAGTCCAACCTACCCTTTGGGGTCACATACGTGGGGACGAAGCAG
CTGAGTCCCACAGAGGCGTTCCCGTGCTGGTGGTGACATGGACAATAGTGGCAGCCTCAATGCACAGG
TCATCCACCAGCTGAGCCAGGCCTCAGGTCCAAAATGGCCATCCAGACCCAGCAGTCCAAGTTCGTGAA
CTGGCAGGTGGATGGCGAGTACCGTGGTTCTGACTTCACAGCTGTCTCACCCCTGGGCAACCCAGATGTC
TTGGTGGGTT CAGGAATCCTCGTGGCCACTACCTCCAGAGCATCACACCGTGTCTGGCCCTGGGTGGAG
AGCTCGTCTACCACCGCGGCCAGGAGAGGAGGGCACTGTCATGTCTCTAGCTGGGAAATACACACTGAA
CAACTGGTTGGCTACAGTAACGCTGGGCCAGGCAGGCATGCATGCGACGTATTACCACAAAGCCAGTGAC
CAGCTGCAGGTGGTGTGGAGTTTGAGGCCAGCACCAGGATGCAGGACACCAGTCCCTTTGGGTATC
AGCTGGACCTGCCAAGGCCAACTTCTTTTAAAGGCTCTGTGAACAGTAACTGGATCGTGGGCCGCAC
GCTGGAGAAGAAGCTTCCGCCCTTGCCCTGACTGTCCCTCTGCGCCTTCTGAACCACCGCAAGAAT
AAGTTCCTGTGTGGCTTCGCCCTCACCATCGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224111 representing NM_016871
Red=Cloning site Green=Tags(s)

MGNVLAASSPPAGPPPPPTSLVGLPPPPSPPGFTLPPLGGGLGTGSSTGRGSERTPGAAASGAAAASE
 DGSCGCLPNPGTFEECHRKCKELFPVQMEGVKLTVNKGLSNRFQVHTHTVALGTIGESNYHFGVTVYVGTKQ
 LSPTEAFPVLVGDMDNSGSLNAQVIHQLSPLGRSKMAIQTQSKFVNWQVDGEYRGSDFTAAVTLGNPDV
 LVGSGILVAHYLQSIPTCLALGGELVYHRRPGEEGTVMSLAGKYTLNNWLATVTLGQAGMHATYYHKASD
 QLQVGVFEASTRMQDTSASFGYQLDLPKANFLFKGSVNSNWIVGATLEKKLPLPLTLSLCAFLNHRKN
 KFLCGFGLTIG

TRTRPLE - GFP Tag - V

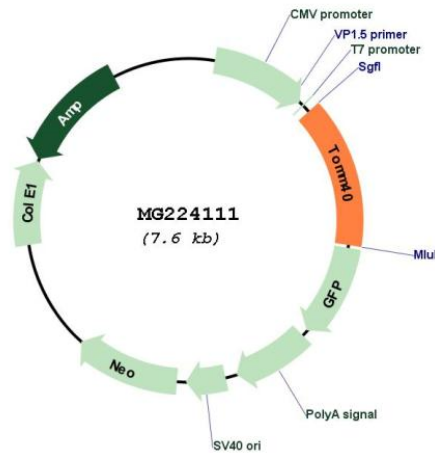
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_016871

ORF Size:	1083 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_016871.2 , NP_058567.2
RefSeq Size:	1571 bp
RefSeq ORF:	1086 bp
Locus ID:	53333
UniProt ID:	Q9QYA2
Cytogenetics:	7 A3
Gene Summary:	Channel-forming protein essential for import of protein precursors into mitochondria. [UniProtKB/Swiss-Prot Function]