

Product datasheet for **MR204359**

Tomm40l (NM_001037170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tomm40l (NM_001037170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tomm40l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204359 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACACCCTGGGCTGGCACCGATGGGTACTTTACCCCGCCGGAGCCACCCTCGAGAGGAACCGC
TGCCCAACCCCGGGAGCTTCGACGAGCTGCACCGTTGTGCAAAGATGTATCCAGCACAGATGGAAGG
CGTGAAGCTGGTTGTCAACAAGTTCTGAGCAGCCATTTCCAGGTGGCTCATACTGTGCACATGAGTGCC
CTGGGCTTGCCAGGGTACCACCTCCATACCGCCTATGCAGGGGACTGGCAGCTTAGCCCCACAGAGGTGT
TCCCACCTGTGGTGGGGGATATGGACAGCAGTGGCAGTCTCAACGCCAGGTCTTGCTTCTGTTGGCAGA
ACGGCTGCGAGCTAAGGCTGTCTTCCAGACACAGCAGGCCAAGTTCCTGACATGGCAGTTTGATGGCGAG
TATCGGGGAGATGACTACACAGCCACTCTGACCCTGGGAAATCCGGATCTGATTGGGGAATCAGTGATCA
TGGTTGCTCACTTCTGCAGAGCATCACCCATCGGCTTGTGCTAGGAGGAGAGCTAGTTTATCACCGCG
GCCAGGAGAAGAGGGGCCATCTTGACTCTGGCTGGGAAGTACTCAGCTGTCCACTGGGTAGCTACGTTG
AATGTTGGGTGAGTGGGGCCATGCAAGTTATTACCACAAGGCCAATGAACAGGTTGAGTTGGAGTAG
AGTTTGGGCAAATACAAGGCTACAAGATACGACCTTCTCCTTTGGTTACCACCTGACTCTGCCCCAGGC
CGATATGGTGTAGAGGCTTGGTGGACAGTAACTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
CCCCTGCCTGTACCCTAGCCCTGGAGCCTTCTCAATCACTGGCGAAACAGATTCCATTGCGGCTTCA
GCATCACTGTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR204359 protein sequence
 Red=Cloning site Green=Tags(s)

MGNTLGLAPMGTLPRRSHRREEPLPNPGSFDELHRLCKDVFP AQMEGVKLVVNKVLSSHFQVAHTVHMSA
 LGLPGYHLHTAYAGDWQLSPTEVFPTVVGMDSSGSLNAQVLLLLAERLRAKAVFQTQQAFLTWQFDGE
 YRGDDYTATLTLGNPDLIGESVIMVAHFLQSITHRLVLGGELVYHRRPGEEGAILTLAGKYSAVHWVATL
 NVGSGGAHASYHKANEQVQVGVEFEANTRLQDTTF SFGYHLTLPQADMVFRGLVDSNWCVGAVLEKKMR
 PLPVTLALGAFLNHWRNRFHCGFSITVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001037170

ORF Size: 927 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_001037170.2](#)

RefSeq Size: 2920 bp

RefSeq ORF: 927 bp

Locus ID: 641376

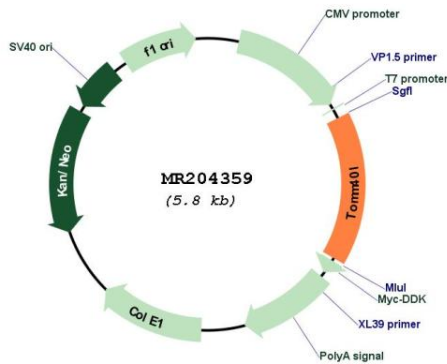
UniProt ID: [Q9CZR3](#)

Cytogenetics: 1 H3

MW: 34 kDa

Gene Summary: Potential channel-forming protein implicated in import of protein precursors into mitochondria.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204359