

Product datasheet for **RR203543**

Tomm40l (NM_001083338) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tomm40l (NM_001083338) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tomm40l
Synonyms: RGD1562006; Tomm40b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203543 representing NM_001083338
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACACCCTGGGCTGGCACCGATGGGGACTTTACCCCGCTGGAGCCACCGTCGGGAGGAACCGC
TGCCCAACCCCGGAGCTTCGATGAGCTGCACCGTTGTGCAAAGATGTATCCAGCACAGATGGAAGG
CGTGAAGCTGGTTGTCAACAAGTTCTGAGCAGCCATTTCCAGGTGGCTCATACTGTGCACATGAGTGCC
CTGGGCTTGCCAGGGTACCACCTCCATACCGCCTATGCAGGGGACTGGCAGCTTAGTCCCACAGAGGTGT
TCCCCACTGTGGTGGGGATATGGACAGCAGTGGCAGTCTCAACGCCAGGTCTTGCTTCTGTTGGCAGA
ACGGCTGCGAGCTAAGGCTGTCTTCCAGACACAGCAAGCCAAGTTCTGACATGGCAGTTTGATGGTGAA
TATCGAGGAGATGACTACACAGCCACTCTGACCCTGGGAAATCCGGATCTGATTGGGGAATCAGTGATTA
TGGTTGCTCACTTCTGCAAAGCATCACTCATCGGCTTGTACTAGGAGGGGAGCTAGTTTATCACCGGCG
GCCAGGAGAAGAGGGAGCCATTTGACTCTGGCTGGGAAGTACTCAGCTTCTCACTGGGTAGCTACATTG
AATGTTGGGTGAGTGGGGCCATGCAAGTTATTACCACAAGGCAAATGAACAGGTTGAGTTGGAGTAG
AGTTTGAAGCAAATAAAGGCTACAAGATACAACCTTCTCTTTGGTTACCACCTGACTTGCCCCAGGC
CGATATGGTGTTAGAGGCTTGGTGGATAGTAACTGGTGTGATAGGTGCTGTGTTGGAGAAGAAGATGCGT
CCCTGCCTGTACCCTAGCCCTCGGAGCCTTCTCAATCACTGGCGAAACAGATTCCATTGTGGCTTCA
GCATCACTGTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203543 representing NM_001083338
 Red=Cloning site Green=Tags(s)

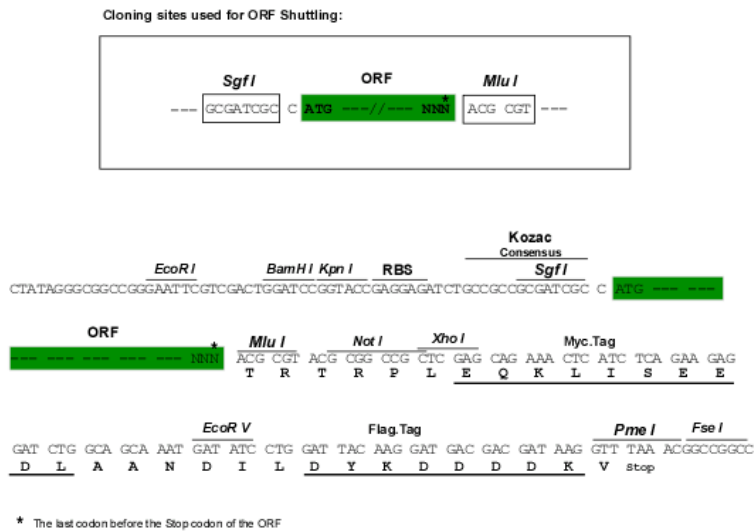
MGNTLGLAPMGTLPRWSHRREEPLPNPGSFDELHRLCKDVFP AQMEGVKLVVNKVLSSHFQVAHTVHMSA
 LGLPGYHLHTAYAGDWQLSPTEVFPTVVGMDSSGSLNAQVLLLLAERLRAKAVFQTQQAFLTWQFDGE
 YRGDDYATLTLGNPDLIGESVIMVAHFLQSITHRLVLGGELVYHRRPGEEGAILTLAGKYSALHWVATL
 NVGSGGAHASYHKANEQVQVGEFEANRLQDTTF SFGYHLTLPQADMVFRGLVDSNWCVGAVLEKKMR
 PLPVTLLALGAFLNHWRNRFHCGFSITVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

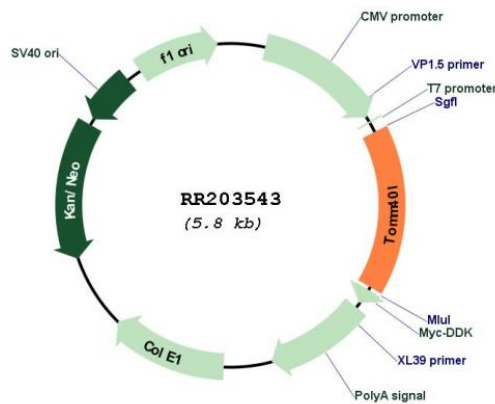
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001083338

ORF Size: 924 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_001083338.1 , NP_001076807.1
RefSeq Size:	927 bp
RefSeq ORF:	927 bp
Locus ID:	304971
UniProt ID:	A4F267
Cytogenetics:	13q24
MW:	34 kDa
Gene Summary:	Potential channel-forming protein implicated in import of protein precursors into mitochondria.[UniProtKB/Swiss-Prot Function]