

Product datasheet for MR202732

Tomm40 (BC038887) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tomm40 (BC038887) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tomm40
Synonyms:	Tom40, Mom35
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR202732 representing BC038887 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCGTTTTCCATAACTTATAAACATGATTTCTATGGAGGGTGGAGGGGAAGTGACAGGCGGCT
CGGCGCTCCTCTGCTGCCCTCAGGAGGACATCAAGTCTTCTTCTGAGCCTGTGTACAGCCGCTCTG
CGCCTCTGCCTGGGCGCTACAATCGAATGCCCTTCAGATCCCAGGACTCCCTCCGGGACCCAGGCCCC
CTGGGCACTGTCCCTGGCGCTGGGGATCCTTGGGCATGGGAGGTCCCCTCCTTCCCACTGCCCAACCC
CAAGAGAGAGGGAGAGGAGGGGAGGGCAGCCGGCCAGCGATGGTCTGCAGAGGAAGGACAGGAGGGCTC
AGCCGATGGTGAAGCCGGAAGCCACACAGGAAGTATTCTTGCAGGTTGTTTCAAGGAGGAGGAGGACAG
TGTCAAGGGCAAGGGCGGAAGCTTCTTCTCCAGCGTGGCGCCACGATCCAGTACTGTTTACAGAGCCT
TAAAAAGGAAGTTGGCCTTGGGAGGTCCAGCTGATACCCAAAGGAGGCACTGGTGTCTGCATCCTGG
TGCTGGCCTCAAACCTCCACCCACCTGCAGCTGGTCACTGGCTTGTGGTAATACGTCCGATGCATGCC
TGCTGGCCAGCGTACTGTAGCCAACAGTTGTTCAAGTGTGTATTTCCAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202732 representing BC038887
 Red=Cloning site Green=Tags(s)

MSRFSITYKHDFYGGVEGEVTGGSALLCCPQEDIKSFLEPVYSRLCASAWALTIECPSPRTPSGTPGP
 LGTVPWWRWGLGMGGPLLPTAPTPTPRERERRGGQPAQRWSAEEGQEGSADGEAEATQELILAVVQEGAEGQ
 CQGQGRKLLLQRGAHDPVTVHRAFKKEVGLGQVQLIPKGGTGVLPAGLKLHHLQLVTFVIVIRRMHA
 CLAQRYCSQPVVQCVFPS

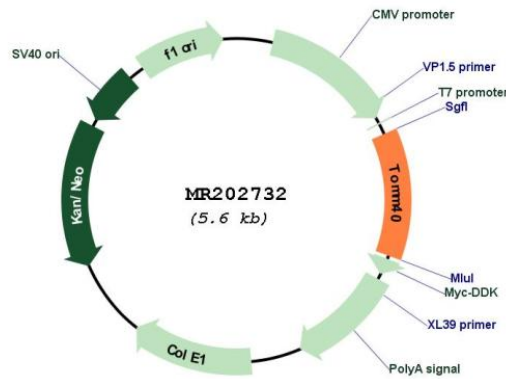
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC038887

ORF Size: 684 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:	BC038887
RefSeq Size:	1506 bp
RefSeq ORF:	686 bp
Locus ID:	53333
Cytogenetics:	7 A3
MW:	55.2 kDa
Gene Summary:	Channel-forming protein essential for import of protein precursors into mitochondria. [UniProtKB/Swiss-Prot Function]