

## Product datasheet for **RC237083**

### **TOMM40L (NM\_001286373) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TOMM40L (NM\_001286373) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TOMM40L  
**Synonyms:** TOMM40B  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237083 representing NM\_001286373  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGGAACACATTGGGCCTGGCACCAATGGGGACTTTGCCCGCCGGAGCCCCCGCGAGAGGAACCCC  
TGCCCAACCCTGGGAGCTTCGATGAGCTGCACCGTCTATGCAAAGATGTATCCACGACAGATGGAGGG  
AGTGAAGCTCGTTGTCAACAAGTTCTGAGCAGCCATTTCCAGGTGGCGCACACTATACACATGAGTGCC  
CTGGGCTTGCCGGATATCACCTCCATGCGGCCTATGCAGGGGATTGGCAGCTCAGTCCCACTGAGACGC  
AGCAGGCCAAGTTCCTGACATGGCAGTTTGATGGCGAGTATCGGGGAGATGACTACACAGCCACTCTGAC  
CCTAGGAAATCCTGACCTGATTGGGGAGTGGTGATCATGGTTGCTCACTTCTGCAGAGCCTCACTCAT  
CGGCTGGTGTGGGAGGAGAGCTAGTTTATCACCGCGGCCAGGCCGAAGAGGGGGCCATCTTGACTGG  
CTGGGAAGTACTCGGCTGTACACTGGGTAGCTACATTGAATGTGGGATCAGGCGGGGCCATGCAAGTTA  
CTACCACAGGGCAAATGAACAGGTTTCAAGTTGGAGTGGAGTTTGAGGCAAACACAAGGCTACAAGACACA  
ACATTCTCCTTTGGTTACCACCTGACTCTGCCCCAGGCCAACATGGTATTTAGAGGCTTGGTGGATAGTA  
ACTGGTGTGTAGGTGCTGTGCTGGAGAAGAAGATGCCCCCTCTGCCTGTCAACCCTAGCCCTTGGAGCCTT  
CCTCAATCACTGGCGCAACAGATTCCATTGTGGCTTCAAGCATCACTGTGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237083 representing NM\_001286373  
Red=Cloning site Green=Tags(s)

MGNTLGLAPMGTLPRRSPRREEPLPNPGSFDELHRLCKDVFP AQMEGVKLVVNKVLSSHFQVAHTIHMSA  
 LGLPGYHLHAAYAGDWQLSPTETQQAFLTWQFDGEYRGDDYTATLTLGNPDLIGESVIMVAHFLQSLTH  
 RLVLGGELVYHRRPGEEGAILTLAGKYSAVHWVATLNVGSGGAHASYYHRANEQVQVGVFEANTRLQDT  
 TFSFGYHLTLPQANMVFRLVDSNWCVGAVLEKKMPPLPVTALGAFLNHWRNRFHCGFSITVG

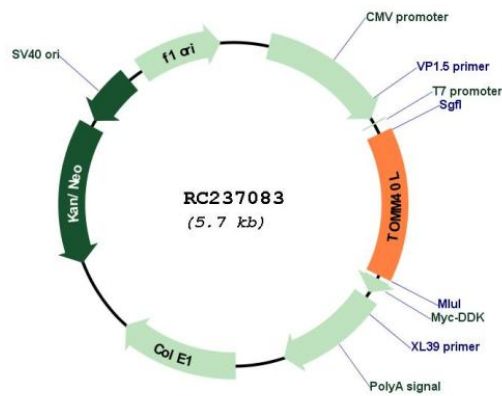
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286373

**ORF Size:** 822 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286373.1</a> , <a href="#">NP_001273302.1</a>
<b>RefSeq Size:</b>	2825 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	84134
<b>UniProt ID:</b>	<a href="#">Q969M1</a>
<b>Cytogenetics:</b>	1q23.3
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other
<b>Protein Pathways:</b>	Amyotrophic lateral sclerosis (ALS)
<b>MW:</b>	30.7 kDa
<b>Gene Summary:</b>	Potential channel-forming protein implicated in import of protein precursors into mitochondria.[UniProtKB/Swiss-Prot Function]