

## Product datasheet for **RG237083**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TOMM40L (NM_001286373) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TOMM40L
Synonyms:	TOMM40B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237083 representing NM_001286373. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACACATTGGGCCTGGCACC AATGGGGACTTTGCCCGCCGGAGCCCCCGCGAGAGGAACCC
CTGCCAACCCCTGGGAGCTTCGATGAGCTGCACCGTCTATGCAAAGATGTATTCCAGCACAGATGGAG
GGAGTGAAGCTCGTTGTCAACAAGGTTCTGAGCAGCCATTTCCAGGTGGCGCACACTATACACATGAGT
GCCCTGGGCTTGCCGGGATACCTCCATGCCGCCTATGCAGGGGATTGGCAGCTCAGTCCCCTGAG
ACGCAGCAGGCCAAGTTCCTGACATGCCAGTTTGTGGCGAGTATCGGGGAGATGACTACACAGCCACT
CTGACCCTAGGAAATCCTGACCTGATTGGGGAGTCGGTGATCATGTTGCTCACTTCCTGCAGAGCCTC
ACTCATCGGCTGGTGCTGGGAGGAGAGCTAGTTTATCACCGGCGCCAGGCGAAGAGGGGCCATCTTG
ACACTGGCTGGGAAGTACTCGGCTGTACTGCTGAGTACATTGAATGTGGGATCAGGCGGGGCCAT
GCAAGTTACTACCACAGGGCAAATGAACAGGTTTCAGGTTGGAGTGGAGTTTGAGGCAAACACAAGGCTA
CAAGACACAACATTCTCCTTTGGTTACCACCTGACTCTGCCCCAGGCCAACATGGTATTTAGAGGCTTG
GTGGATAGTAACTGGTGTGTAGGTGCTGTGCTGGAGAAGAAGATGCCCCCTGCCTGTCAACCCTAGCC
CTTGGAGCCTTCTCAATCACTGGCGCAACAGATTCCATTGTGGCTTCAGCATCACTGTGGGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237083  
 Blue=ORF Red=Cloning site Green=Tag(s)

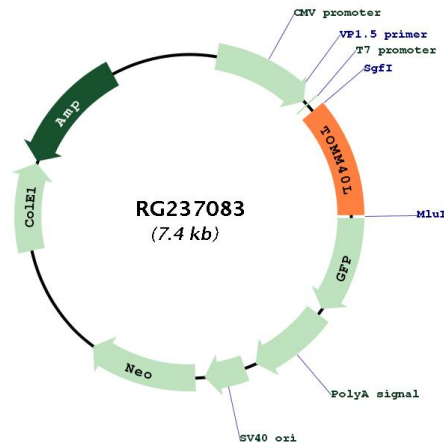
MGNTLGLAPMGTLPRRSPRREEPLPNPGSFDELHRLCKDVFPAQMEGVKLVVNKVLSSHVQVAHTIHMS  
 ALGLPGYHLHAAAYAGDWQLSPTETQQAFLTWQFDGEYRGDDYATLTLGNPDLIGESVIMVAHFLQSL  
 THRLVLGGELVYHRRPGEEGAILTLAGKYSAVHWVATLVNVSAGGASHYHRANEQVQVGEFEANTRL  
 QDTTFSFGYHLTLPQANMVFRGLVDSNWCVGAVLEKKMPPLPVTALGAFLNHWRNRFHCGFSITVG  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286373

<b>ORF Size:</b>	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>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]