

Product datasheet for **RG236878**

TOMM40L (NM_001286374) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | TOMM40L (NM_001286374) 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: | >RG236878 representing NM_001286374. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACACATTGGGCCTGGCACCAATGGGGACTTTGCCCGCCGGAGCCCCCGCGAGAGGAACCC
CTGCCAACCCCTGGGAGCTTCGATGAGCTGCACCGTCTATGCAAAGATGTATTCCAGCACAGATGGAG
GGAGTGAAGCTCGTTGTCAACAAGGTTCTGAGCAGCCATTTCCAGACGCAGCAGGCCAAGTTCCTGACA
TGGCAGTTTGATGGCGAGTATCGGGGAGATGACTACACAGCCACTCTGACCCTAGGAAATCCTGACCTG
ATTGGGGAGTCGGTGATCATGGTTGCTCACTTCTGCAGAGCCTCACTCATCGGCTGGTGTGGGAGGA
GAGCTAGTTTATACCGGCGGCCAGGCGAAGAGGGGCCATCTTGACACTGGCTGGGAAGTACTCGGCT
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GAACAGGTTTCAGGTTGGAGTGGAGTTTGGAGCAAACACAAGGCTACAAGACACAACATTCTCTTTGGT
TACCACCTGACTCTGCCCCAGGCCAACATGGTATTTAGAGGCTTGGTGGATAGTAAGTGGTGTAGGT
GCTGTGCTGGAGAAGAAGATGCCCCCTCTGCCTGTCAACCTAGCCCTGGAGCCTTCTCAATCACTGG
CGCAACAGATTCCATTGTGGCTTCAGCATCACTGTGGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236878
 Blue=ORF Red=Cloning site Green=Tag(s)

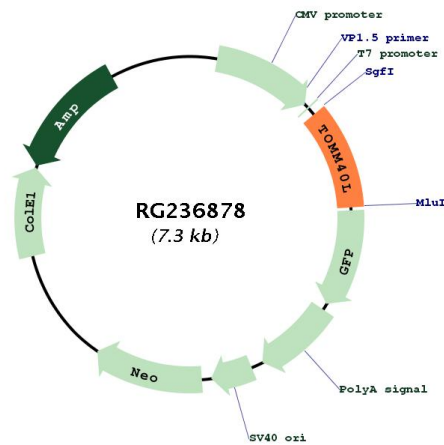
MGNTLGLAPMGTLPRRSPRREEPLPNPGSFDELHRLCKDVFP AQMEGVKLVVNKVLSSHVQTQAKFLT
 WQFDGEYRGDDYATLTLGNPDLIGESVIMVAHFLQSLTHRLVLGGELVYHRRPGEEGAILTLGAKYSA
 VHWVATLNVGSGGAHASYYHRANEQVQVGEFEANRLQDTTFSFGYHL TLPQANMVFRGLVDSNWCVG
 AVLEKKMPPLPVTALALGAFLNHWRNRFHCGFSITVG
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286374

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|--------------------------|--|
| ORF Size: | 729 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). |
| RefSeq: | NM_001286374.2 |
| RefSeq Size: | 2732 bp |
| RefSeq ORF: | 732 bp |
| Locus ID: | 84134 |
| Cytogenetics: | 1q23.3 |
| Protein Families: | Druggable Genome, Ion Channels: Other |
| Protein Pathways: | Amyotrophic lateral sclerosis (ALS) |
| MW: | 27.4 kDa |
| Gene Summary: | Potential channel-forming protein implicated in import of protein precursors into mitochondria.[UniProtKB/Swiss-Prot Function] |