

Product datasheet for **RG204832**

TOMM40L (NM_032174) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOMM40L (NM_032174) 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: >RG204832 representing NM_032174
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACACATTGGGCCTGGCACCAATGGGGACTTTGCCCGCCGGAGCCCCCGCGAGAGGAACCC
TGCCCAACCTGGGAGCTTCGATGAGCTGCACCGTCTATGCAAAGATGTATCCAGCACAGATGGAGGG
AGTGAAGCTCGTTGTCAACAAGTTCTGAGCAGCCATTTCCAGGTGGCGCACACTATACACATGAGTGCC
CTGGGCTTGCCGGGATACACCTCCATGCGGCCTATGCAGGGGATTGGCAGCTCAGTCCCACTGAGGTGT
TCCCCACTGTGGTAGGGGATATGGACAGCAGTGGCAGCCTGAACGCCAGGTCTTGCTCCTTTGGCAGA
GCGGCTCCGAGCTAAGGCTGTCTTCCAGACGCAGCAGGCCAAGTTCTTGACATGGCAGTTTGATGGCGAG
TATCGGGGAGATGACTACACAGCCACTCTGACCCTAGGAAATCCTGACCTGATTGGGGAGTCGGTGATCA
TGGTTGCTCACTTCTGCAGAGCCTCACTCATCGGCTGGTGTGGGAGGAGAGCTAGTTTATCACCGGCG
GCCAGGCGAAGAGGGGGCCATCTTGACACTGGCTGGGAAGTACTCGGCTGTACACTGGGTAGCTACATTG
AATGTGGGATCAGGCGGGGCCATGCAAGTTACTACCAGGGCAAAATGAACAGGTTTCAAGTTGGAGTGG
AGTTTGGGCAACACAAGGCTACAAGACACAACATTCTCTTTGGTTACCACCTGACTCTGCCCGAGCC
CAACATGGTATTTAGAGGCTTGGTGGATAGTAAGTGGTGTAGGTGCTGTGCTGGAGAAGAAGATGCC
CCTCTGCCTGTACCCTAGCCCTTGGAGCCTTCTCAATCACTGGCGCAACAGATTCCATTGTGGCTTCA
GCATCACTGTGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204832 representing NM_032174
 Red=Cloning site Green=Tags(s)

MGNTLGLAPMGTLPRRSPRREEPLPNPGSFDELHRLCKDVFP AQMEGVKLVVNKVLSSHFQVAHTIHMSA
 LGLPGYHLHAAYAGDWQLSPTEVFPTVVGDMSSGSLNAQVLLLLAERLRAKAVFQTQQAFLTWQFDGE
 YRGDDYTATLTLGNPDLIGESVIMVAHFLQSLTHRLVLGGELVYHRRPGEEGAILTLAGKYSAVHWVATL
 NVGSGGAHASYHRANEQVQVGVFEANTRLQDTTFSGYHLTL PQANMVFRGLVDSNWCVGAVLEKKMP
 PLPVTLLALGAFLNHRNRFHCGFSITVG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032174

ORF Size: 924 bp

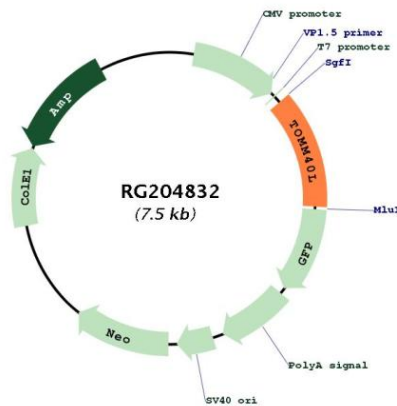
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_032174.6
RefSeq Size:	2713 bp
RefSeq ORF:	927 bp
Locus ID:	84134
UniProt ID:	Q969M1
Cytogenetics:	1q23.3
Domains:	Euk_porin
Protein Families:	Druggable Genome, Ion Channels: Other
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)
Gene Summary:	Potential channel-forming protein implicated in import of protein precursors into mitochondria.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204832