

Product datasheet for SC323000

TOMM40 (NM_001128917) Human Untagged Clone

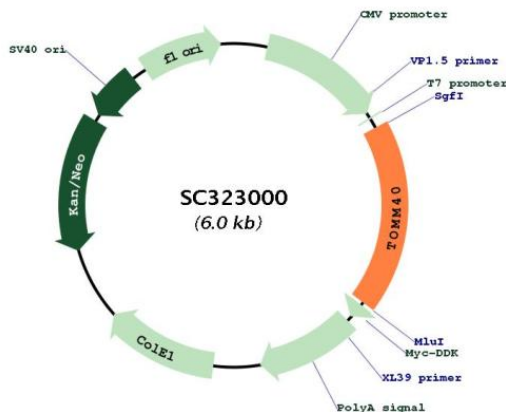
Product data:

Product Type: Expression Plasmids
Product Name: TOMM40 (NM_001128917) Human Untagged Clone
Tag: Tag Free
Symbol: TOMM40
Synonyms: C19orf1; D19S1177E; PER-EC1; PEREC1; TOM40
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC323000 representing NM_001128917.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACGTGTTGGCTGCCAGCTCGCCGCCCGCAGGGCCGCCACCGCCGCTGCGCCGGCCCTCGTG
GGGCTGCCGCCACCTCCGCCCTCGCCGCCGGGCTTACGCTGCCGCCGCTGGGAGGCAGCCTGGGCGCC
GGCACCAGTACGAGTCTGAAGTTCGGAACGGACCCCGGGGCTGCAACCGCCAGCGCCTCAGGGGCCGCC
GAGGATGGGGCTGCGGCTGCCTGCCAACCCGGGCACATTTCGAGGAGTGCCACCGGAAGTGAAGGAG
CTGTTTCCATTACAGATGGAGGGTGTCAAGCTCACAGTCAACAAAGGGTTGAGTAACCATTTTCAGGTC
AACCACACAGTAGCCCTCAGCACAATCGGGGAGTCCAACCTACCCTTCGGGGTCACATATGTGGGACA
AAGCAGCTGAGTCCCACAGAGGCGTTCCCTGTACTGGTGGGTGACATGGACAACAGTGGCAGTCTAAC
GCTCAGGTCATTACAGCTGGGCCCGGTCTCAGGTCCAAGATGGCCATCCAGACCCAGCAGTCAAG
TTTGTGAACTGGCAGGTGGACGGGGAGTATCGGGGCTCTGACTTCACAGCAGCCGTCACCCTGGGGAAC
CCAGAGCTCCTCGTGGGTTCAAGGAATCCTCGTAGCCACTACCTCCAGAGCATCACGCCCTTGCTGGCC
CTGGGTGGAGAGCTGGTCTACCACCGCGCGCCTGGAGAGGAGGGCACTGTATGTCTCTAGCTGGGAAA
TACACATTGAACAACCTGGTTGGCAACGGTAACGTTGGGCCAGGCGGGCATGCACGCAACATACTACCAC
AAAGCCAGTGACCAGCTGCAGGTGGTGTGGAGTTTGGGCCAGCACAAGGATGCAGGACACCAGCGTC
TCCTTCGGGTACCAGCTGGACCTGCCAACCCCTCCTCTTCAAAGGCTCTGTGGATAGCAACTGG
ATCGTGGGTGCCAGCTGGAGAAGAAGCTCCCACCCCTGCCCTGACACTGGCCCTTGGGCCCTTCTCTG
AATCACCGCAAGAACAAGTTTCAGTGTGGCTTTGGCCTACCATCGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



Plasmid Map:


ACCN: NM_001128917

Insert Size: 1086 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001128917.1](#)

RefSeq Size: 1819 bp

RefSeq ORF: 1086 bp

Locus ID: 10452

UniProt ID:	<u>O96008</u>
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Ion Channels: Other
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)
MW:	37.9 kDa
Gene Summary:	<p>The protein encoded by this gene is localized in the outer membrane of the mitochondria. It is the channel-forming subunit of the translocase of the mitochondrial outer membrane (TOM) complex that is essential for import of protein precursors into mitochondria. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1-3 encode the same protein.</p>