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Product datasheet for SC319916

TOMM40 (NM_006114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOMM40 (NM_006114) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOMM40
Synonyms:	C19orf1; D19S1177E; PER-EC1; PEREC1; TOM40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_006114.1
CACGGGGTGGGAGCGGAGCCCAGGCCGGGAGCAGGCGCCGCCGCCACAGGCGACCATGGG
GAACGTGTTGGCTGCCAGCTCGCCGCCCGCAGGGCCGCCACCGCCGCCTGCGCCGGCCCT
CGTGGGGCTGCCGCCACCTCCGCCCTCGCCGCCGGGCTTCACGCTGCCGCCGCTGGGAGG
CAGCCTGGGCGCCGGCACCAGTACGAGTCGAAGTTCGGAACGGACCCCCGGGGCTGCAAC
CGCCAGCGCCTCAGGGGCCGCCGAGGATGGGGCCTGCGGCTGCCTGCCCAACCCGGGCAC
ATTCGAGGAGTGCCACCGGAAGTGCAAGGAGCTGTTTCCCATTCAGATGGAGGGTGTCAA
GCTCACAGTCAACAAAGGGTTGAGTAACCATTTTCAGGTCAACCACACAGTAGCCCTCAG
CACAATCGGGGAGTCCAACTACCACTTCGGGGTCACATATGTGGGGACAAAGCAGCTGAG
TCCCACAGAGGCGTTCCCTGTACTGGTGGGTGACATGGACAACAGTGGCAGTCTCAACGC
TCAGGTCATTCACCAGCTGGGCCCCGGTCTCAGGTCCAAGATGGCCATCCAGACCCAGCA
GTCGAAGTTTGTGAACTGGCAGGTGGACGGGGAGTATCGGGGCTCTGACTTCACAGCAGC
CGTCACCCTGGGGAACCCAGACGTCCTCGTGGGTTCAGGAATCCTCGTAGCCCACTACCT
CCAGAGCATCACGCCTTGCCTGGCCCTGGGTGGAGAGCTGGTCTACCACCGGCGGCCTGG
AGAGGAGGGCACTGTCATGTCTCTAGCTGGGAAATACACATTGAACAACTGGTTGGCAAC
GGTAACGTTGGGCCAGGCGGGCATGCACGCAACATACTACCACAAAGCCAGTGACCAGCT
GCAGGTGGGTGTGGAGTTTGAGGCCAGCACAAGGATGCAGGACACCAGCGTCTCCTTCGG
GTACCAGCTGGACCTGCCCAAGGCCAACCTCCTCTTCAAAGGCTCTGTGGATAGCAACTG
GATCGTGGGTGCCACGCTGGAGAAGAAGCTCCCACCCCTGCCCCTGACACTGGCCCTTGG
GGCCTTCCTGAATCACCGCAAGAACAAGTTTCAGTGTGGCTTTGGCCTCACCATCGGCTG
AGCCCTCCTGGCCCCCGCCTTCCACGCCCTTCCGATTCCACCTCCACCTCCACCTCCCCC
TGCCACAGAGGGGAGACCTGAGCCCCCCTCCCTTCCCTCCCCCCTTGGGGGTCGGGGGGG
ACATTGGAAAGGAGGGACCCCGCCACCCCAGCAGCTGAGGAGGGGATTCTGGAACTGAAT
GGCGCTTCGGGATTCTGAGTAGCAGGGGCAGCATGCCCAGTGGGCCTGGGGTCCCGGGAG
GGATTCCGGAATTGAGGGGCACGCAGGATTCTGAGCACCAGGGGCAGAGGCGGCCAGACA
ACCTCAGGGAGGAGTGTCCTGGCGTCCCCATCCTCCAAAGGGCCTGGGCCCGCCCCGAGG
GGGCAGCGAGAGGAGCTTCCCCATCCCCGGTCAGTCCACCCTGCCCCGTCCACTTTCCCA
TCTCCTCGGTATAAATCATGTTTATAAGTTATGGAAGAACCGGGACATTTTACAAAAAAA
AAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_006114

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_006114.1, NP_006105.1
RefSeq Size:	1700 bp
RefSeq ORF:	1086 bp
Locus ID:	10452
UniProt ID:	O96008
Cytogenetics:	19q13.32
Domains:	Euk_porin
Protein Families:	Druggable Genome, Ion Channels: Other
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)
Gene Summary:	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] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1-3 encode the same protein.