

Product datasheet for **SC113156**

TOMM22 (NM_020243) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOMM22 (NM_020243) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOMM22
Synonyms:	1C9-2; MST065; MSTP065; TOM22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020243, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCCGCCGTCGCTGCTGCCGGTGCAGGGGAACCCAGTCCCCGGACGAATTGCTCCCGAAAGCGG
ACGCGGAGAAGCCTGAGGAGGAGCTGGAGGAGGACGACGATGAGGAGCTAGATGAGACCCTGTCGGAGAG
ACTATGGGGCCTGACGGAGATGTTCCGGAGAGGGTCCGGTCCGCGGCCGGAGCCACTTTTGATCTTTCC
CTCTTTGTGGCTCAGAAAATGTACAGGTTTTCCAGGGCAGCCTTGTGGATTGGGACCACTCCTTTATGA
TCCTGGTTCTCCCGTTGCTTTGAGACGGAGAAGTTGCAAATGGAGCAACAGCAGCAACTGCAGCAGCG
GCAGATACTTCTAGGACCTAACACAGGGCTCTCAGGAGGAATGCCAGGGGCTCTACCTCACTTCTCTGGA
AAGATCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020243 unedited NNTTGTCCGAATTTGTATACGACTCCTATAGCGGCNCGCGAATTCGCACGAGGGTCATG GCTGCCGCCGTCGCTGCTGCCGGTGCAGGGGAACCCAGTCCCCGGACGAATTGCTCCCC AAAGGCGACGCGGAGAAGCCTGAGGAGGAGCTGGAGGAGGACGACGATGAGGAGCTAGAT GAGACCTGTCCGAGAGACTATGGGGCCTGACGGAGATGTTCCGGAGAGGGTCCGGTCC GCGGCCGAGCCACTTTTGATCTTTCCCTCTTTGGCTCAGAAAATGTACAGGTTTTCC AGGGCAGCCTTGTGATTGGGACCACTTCCTTTATGATCCTGGTCTTCCCGTTGCTTT GAGACGGAGAAGTTGCAATGGAGCAACAGCAGCAACTGCAGCAGCGGCAGATACTTCTA GGACCTAACACAGGGCTCTCAGGAGGAATGCCAGGGGCTTACCCTCACTTCTGGAAG ATCTAGATTGTTNTGCTGTTTGTGCTCTCAGGGGATAAGTTTGAATTCAAGTGTT GAACTGCTGATTTGGATTNTTTTTTTTTTTTTTTTAACTTTGGCACATTGATCTATCTA ACCTGGTGGGGAGAATTATCCCCACATTGTCTCATGAAAGACTCAACTTGCAACTGTG CCCTCCACACTATCCTAATTCTGTCTCCACTCTGATCCCAGAGTGCAGCCTGCCAGATG GGGTATCCAACCTCTGGTCACCCGACTCCTTTCACCAAATTGCTCTAACGGGGAAGAT CTCACTCTCCCTGGGGGGGTAGGAACCGATGCACGGGNAGGGGAAGGCCCCCTGCCCTT ACGACTGTTTTTTTTTTTTTTTTTTTTAAAAAGGGATTNNNTGGGNACAAATAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020243 unedited CGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCAGTTGGAATCATTTTTAATA TTTAAATACAAAAAGTGAGCACTGACTTCTTTTTTTTAAACACACACACAGGTCTAACA GCCAAAATGTGCAGAGGAAATGAGCTCCTGCTGTCTCCATAGTCCCATTTCTGTGGCTG AAGCTGCAGCCTCCCTCCCTCCTCATACATAGGGATTATAGTGGCCACTTTACACTA CAGGTGTAATGCATTTTGTCTGTTTACATTGTGTGCATGCTCCTGCCCAACAACCTCCAT TCTTTAAAAAAGGAAAGGAAAGTGCATGTTTCCAGTTAGGAGCAATTTGGTGAA AGGAGTCGGGTGACCAAAGCTGGAATAACCATCTGCATGGCTGCACTCTGGTATCAGAGT GGAGACAGAAGTAAGGATAGTGTGGAGGCACAGTTGCAAGTTGAGTCTTTCCATGAGAC AATGTGGGGATAATTCTCCCCACAGGTTTAGATAGATCAATGTGCCAAAGTTAAAAAAA AAAAAAATCAAATTATCAGCAGTTCAAACACTTGAATTTCAAATTTATCCCACTGAGA CAGCTCAAACAGCAATAACAATCTATATCTTTCCAGAANGTGGGGTAGAGCCCCTGCCA TTCTCCTGAAAGCCCTGTGNTAGTTCTANAATTATCTGCCGCTGCTGCAAGTGTCTGAT GTTGCTCCATTTGCACCTCCTCCGCTCAAGACACGGGAAGAACCAGATCTTAAGGGAT GTGTCCCATTTCAAGGCTGCCCTGAAAACCTGACATTTTCTGACCCCAAAGAGAGAAGA TCAAATGGGCTCCGGCGGGGAACCGACCCTTTCGAAAACCTTCCGTAGCCCTATTTTTT CCGAAGGGTCTATTAATCCCAATGGNGGCTCCTCACTCCTCCAGGTTTTCCGGGCCCT TTGTGAACATTCTCCGGGACTGGGTC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_020243
Insert Size:	1120 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).
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_020243.4](#), [NP_064628.1](#)

RefSeq Size: 1396 bp

RefSeq ORF: 429 bp

Locus ID: 56993

UniProt ID: [Q9NS69](#)

Cytogenetics: 22q13.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is an integral membrane protein of the mitochondrial outer membrane. The encoded protein interacts with TOMM20 and TOMM40, and forms a complex with several other proteins to import cytosolic preproteins into the mitochondrion. [provided by RefSeq, Jul 2008]