

Product datasheet for **MC219623**

Tomm70a (NM_138599) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tomm70a (NM_138599) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tomm70a
Synonyms:	2610044B22Rik; D16lum22; D16lum22e; D16Wsu109e; mKIAA0719; Tom70; Tomm70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219623 representing NM_138599
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGCTCTAAGCCATAGAGGCGGGATGGCGCGGCTGCTGCGCCGGTTCTGAAATGGAGTGG
GCGGTGGCGGTGGGACTGCGGGCCCGGCTCGGGCGCGGGGACCTGCCCGATGGCACGTGGCGCTGGC
CATCGGGGCGCCCTGTTGCTGGGTGCTGGGGCTATGTACCTGTGGAGCCGAAGGCGGAGGCCCGGAA
GCGGGAGGCCGGGGCAGCCAGCGGCCTGAAGCGCAACAGTGAACGGAAGACCCCGAGGGCAGGGCCA
GTCCGGCCCTGGGCAGTGGCCACCACGACGGTTCTGGGACTCCCTGAAATGAGCTCTCTGGACAGAGC
GCAAGCAGCCAAAAACAAAGGCAACAAATTTCAAAGCAGGAAAATACGAGCAAGCTATTCAGTGTAC
ACTGAGGCTATTAGTTTGTGCCCTACTGAGAAGAAATGTAGACCTTTCTACATTTTATCAGAACAGAGCTG
CTGCCTTTGAACAATTGCAAAAATGAAAGAAGTGGCCCAAGATTGTACAAAGGCTGTTGAACCTTAATCC
CAAATATGTGAAAGCCCTCTTTAGACGTGCAAAAGCCCATGAGAAGCTAGACAATAAGAAGGAGTGTTA
GAAGACGTCACTGCTGTGTATATTAGAAGGGTTTCAAATGAGCAGAGCATGCTGTTAGCTGATAAAG
TTCTTAAACTTCTGGGAAAGAGAAATGCCAAAGAAAAATACAAGAACCGTGAACCTCTGATGCCATCTCC
ACAGTTTATTAATCTTACTTCAGTTCTTTACCGATGATATAATTTCTCAACCAATGCTTAAGGGAGAG
AAGTCTGATGAAGATAAAGACAAGGAGGGAGAGGCTTTAGAAGTGAAGAAAAATCTGGGTATTTGAAAG
CTAAACAATATATGGAAGAAGAAAATATGACAAAATCATAAGTGAATGTTCAAAGGAAATAGATGCTCA
AGGCAATACATGGCAGAAGCATTACTTCTGCGAGCCACCTTCTACCTACTTATTGGCAGTGCCAACGCG
GCCAAGCCTGACTTAGATAAGGTCATCAGTTTGAAGGAAGCTAATGTGAAGCTTCGAGCAATGCCCTTA
TCAAGAGAGGCCACCATGTGCATGCAGCAGCAACAACCTATGCTGTCTACTCAGGACTTCAACATGGCTGC
CGAGATCGATCCTATGAACTCAGACGTTTATCACCACCGAGGACAGCTGAAAATTTCTGCTGGATCTGGTT
GAAGAAGCAGTGCGGATTTTGTATGCATGTATCAGATTAAGACCAAAGTTTCTTTGGCGCAGGCTCAGA
AGTGTTTTGCATTGTATCGCCAGGCATATACAGCAACAATTCTTCGCAAGTCCAGGCAGCTATGAAAGG
TTTTGAAGAGATCATAAAGAAAATTTCCAAGATGTGCTGAAGGCTATGCACTTTATGCCAGGCATTAACA
GATCAACAACAGTTTGGTAAAGCTGATGAAATGTATGATAAGTGTATTGATTTGGAACCAGATAATGCTA
CAACTTATGTTTCATAAAGGTTTACTTCACTTCAGTGAAGCAAGATTTGGATAAAGGTTTGGAGCTTAT
CAGCAAGGCTATTGAAATTGACAACAAATGTGACTTTGCATATGAGACCATGGGGACTATTGAAGTGCAG
AGAGGAAACATGGAGAAAGCCATTGACATGTTCAACAAAGCTATCAACTGGCCAAGTCGGAATGGAGA
TGGCTCATCTGTATTCACTTTGTATGCTGCCATGCCAGACAGAAGTAGCAAAGAAATACGGATTA
ACCGCCGACATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_138599
Insert Size: 1836 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_138599.5](#), [NP_613065.2](#)

RefSeq Size: 3778 bp

RefSeq ORF: 1836 bp

Locus ID: 28185

UniProt ID: [Q9CZW5](#)

Cytogenetics: 16 34.22 cM

Gene Summary: Receptor that accelerates the import of all mitochondrial precursor proteins.
[UniProtKB/Swiss-Prot Function]