

Product datasheet for MC203396

Tomm22 (NM_172609) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tomm22 (NM_172609) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tomm22
Synonyms: 2310047D01; Tom22
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC056920

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>BC056920
ACAGCCATGGCCGCCCGCTCGCTGACCCGGCGCTGGGAGCCTCTGTCCCGGAGGAATTACTCCCGA
AAGCCGAGGCAGAGAAAGCCGAGGAGAGCTGGAAGAAGACGACGACGAGCTAGACGAGACCCTGTC
GGAGAGACTCTGGGGTCTGACGGAGATGTTCCCGAGAGGGTCCGGTCCAGCCGCCGAGCCACCTTTGAC
CTCTCGCTCTTCGTGGCTCAGAAGATGTACAGATTTTCCAGGGCAGCTTTGTGGATTGGGACCCTTCT
TCATGATCCTGGTTCTTCCCGTTGTCTTTGAGACAGAAAAGTTGCAGATGGAGCAACAGCAGCAACTGCA
GCAACGGCAGATACTTTAGGGCCTAACACAGGGCTGTCAGGAGGAATGCCAGGGGCTCTACCTCCACTT
CCTGGAAGATGTAGATTCTTCCCTCGGTATTTGTCTTGTGGGAGAAGTTGAAATTCATTTGTGTTT
AACTGCTGATTGTTGGAAGTTTATTCTTTTTTTAACCTTGGCACATGGATCTATTTGAACATAGTGG
GAAGTTTCTCTGTTTCTCATGGAGAGACCCAGGTACACCTGTGCCCTACATAATGAAGTCCCTCACTTA
CTTCTTCTGTTCTCACTCCAATGCTGGAGTACAGCCATGTGGAAGGTTAGCCTACTCTTAATAAACTG
CTCCTAAGGAAGTTCTTACATGCCATTGTGGAAAGAAGTAAGTACCCCTGACCATAAGGACTTTTTTT
TAATGGAATGTCTAGGACATGTAAGCACCGTGGCACTGACAAAATTCATTATACCTGAGTACAGAAGTC
ACCAGGAATCCCAGAGAGAAGGGAGGCTGGCTGTAGCTTTAGCCAGAGGGGGACTGGGCAGAGCAGGCAC
TCATTTCTCTGCAGAGTTTGGCTCTTAGACCTGCTTATGTATAAAAAAGAAGTCAGCGCTCACTTTTTG
TATTTAAATATTTAAAGAAGTCAACTGAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: AscI-NotI

ACCN: NM_172609

Insert Size: 429 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).



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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:	<u>BC056920</u> , <u>AAH56920</u>
RefSeq Size:	1029 bp
RefSeq ORF:	429 bp
Locus ID:	223696
UniProt ID:	<u>Q9CPQ3</u>
Cytogenetics:	15 E1
Gene Summary:	Central receptor component of the translocase of the outer membrane of mitochondria (TOM complex) responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with the peripheral receptor TOM20 functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore (By similarity). Required for the translocation across the mitochondrial outer membrane of cytochrome P450 monooxygenases (By similarity).[UniProtKB/Swiss-Prot Function]