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Product datasheet for MC203418

Timm29 (NM_178619) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timm29 (NM_178619) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Timm29
Synonyms:	1810026J23Rik; TIM29
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC057071
CTCACCTGAGCCTACCTAAGCTGGCGTGGCTATTGCTCTATGCGCGTGCGCGCCGCTCGACTTCCCTTCA
GAGCCCACCCTTCTCCACACAACGGCAACATCCGTTTAGGTCCGTTTCCTATTGTCTTCCTGTGGGAAAC
TACTTCCTGTATCTTGCGCTTGCGCAGGATCTACTCTCCGGCCTTTTTCATTCCGACACTATGCGTTTCT
ACTCGGCTGAGGAACCGCAGGGAGACGATGGTGACAGCGGCTCTTAAGAGATTCTGGTCCGGTGGGCACG
GTGAAGCGGGAGGAGAGGCCGGTGGTGCCACGACGGTGGCGGTTAAGCCAGGGCTGTGGACGCGACTGAG
CACCTGGGCCGGCGCGCTGCTCCGGGACTACGCTGAGGCGTGCGGGGACGCGGCGGCTGCGGCGCGAGCT
CGACCGGGCCGCGCGGCCCTGTACGTGGGGCTTCTGGGCGGCGCGGCTGCGTGCTGCGCGCTGGCGCCCA
GTGAGGCGGCCTTCGAGGAGGCCTTGCTGGACGCATCGGGGTCACTGTTGCTCTTGGCACCGGCCACGCG
CAACCGCCACTCGGAGGCGTTCCTGCAGCGCCTGCTGTGGCTGAGGGGCCGTGGGCGGCTGCGTCACGTG
AACCTGGGCTTTTGCTCGCTGGTTTACGAAGCGCCCTTCGACGCCCAGGCCAGCCTCTACCAGGCCCGCT
GCCGCTACCTGCAGCCACGCTGGGTGGACTTCCCCGGCCGGATCCTCGACGTGGGTTTCGTTGGCCGCTG
GTGGATTCTGCAGAATCGCATGCATGATTGCGACATCAACGACGACGAGTTTCTCCATCTGCCCGCTCAT
CTCCGCGTCGTCGCGCCTCACCAGCTGCACTCAGAGGCCAATGAGAGGCTGTTCGAGGAGAAGTACAAGC
CGATCATACTCACCGACGATCAGGTGGATCAGGCGCTGTGGGAGGAGCAGGTGTTACAGAAGGAGAGAAA
GGATCGGCTAGCTTTGAGCGAGGCTGATTCACTGGTTCAGTCCGATGTTTCCAGATGAAACCCAGGATTG
CCCCCGGGTCACCAGGCGCAGGCAAACTGTTGGCTGTGGATGGTGCAATTGGTGAGATGGGTAGAGATAA
ATGGCCCTTATTGTGATTTTATGGGAAGTCCTCACTCTGTCCGGTTAGCCGAAGAAACTTGGGGGCCTTA
CTGGTCTTAGAGATACAGAAGAGCTGAAGGACTGCTCTTAAACATGCTGAAGCACTTGACCTTACTGTGT
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TGCATTAGCTCTAGTGCACCACAGAGTACCCCGCCCATGCATTAGTCCTGTTCATGAACGGGGCTACAAA
GATGTCCTGACTGCCAGTGACTTCCAAGATCCTAAGACCAATCCCCCAGCCCCCCTTTTGGTAGTGTGTA
TCAGTGAAGTTTTTTGAGGATAATGGTCTGGCCGTGTTGCCAAGGCTACTTGTTTAAAGAGTCCCGACTG
TTCCTCCCTTCGGAGAACCTCGACTCAGTTCTCAGCAGCTTGATCTGTAACTCCAGGCCAGCGAATTAAT
CCAGCCTTCTCTTCTGGATTCCTTGTACACCAGGCAGGCACGTGGTGGTGCACAGACAAAACACCCACGC
ACATATGTTTAAAGATTCTCCTAAGTCATCCCCCAAGATCGGGACTAAAATCATGTGCCAGCTTGCCTGA
CCTCAGATCTCTCCTTTTCAGGTGGAGCTGAAATGTATGTGTTTAGGGTTTTTGTTTGTTGTGGATTTTG
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TGTCTGCGTCTCAAATTGGATTGTTTTGGTTTGATTTGTTTCTGAGAGTGGTCTCACAGCCCAGACCAGC
CTCAAACTCACTGTGTAGCAATGGATGAGTGAGTGATGGCTCCTCTTGCCTGCATTTCCCAAATGAAGTG
AAATATTTCTGCCCTGTGGATTGTTATTGTTGGGTACTTGTGCTAGACATTAAATCCAGGGCCTTGTACA
TATGAGGCAAGCCCTGTACACCAAGTCCTTTTAGGCTCTTTGTTTTGTTTGATAATATCTTTATGTAGTC
CCCAAGGACCTTTGACCTAGCTTAACTAGTAACGTTGTATGTTACTATCAGTACAGGAGAGAGGTATAGA
GGCCGACAAATTCTACTGTATATATGTATGGCAGCAATTGCAAGCATGGTGGAAGGCTGGAACATGTTCT
CATCCCAGAGTGTACATGCAGTCATATGTCCTGTACTGCAGGGACCCCGGAAATGGTTGGATGGAAAGGA
ACAGGGTGGGGAACATAGGTTGGACCTGGCAAAATTCCAGTAATTACCTTTCAAGCTAAAATATTAGGGA
AGCAAAACTTCCCATATCAGGTAGCTTGTAGCTAGTCGGTAAAAGCAGGGGGTGAAGCAGTCACTTTGTG
ATGGATTTGTTTATGGTGGGGGCTTCAGACAGACAAAGTATGTGCTGCACTGAGCTACCCCCACTCCTAG
TGGTGTGATTGTGTGTTTTGCCTCCTTTATTCATTATCAGATGTATTGAAAGTATGGTAGTTGTTTTTGA
TTGTTTTTTTCAGTAATACTCCGAAGTGGGAGGATTAAAGGCATGTGCCACCGCCTCCTGGGTAAGGTAG
TTCTTGAATTCAAGTCTTCTGGCCAGGTGATGATGTTAATTCACATCTTCCCGCACTGGTGAGGTGGCTC
AGCAGGGGAAGACATGTTCAGTCAAGGCAACCACCTGAGTCCATCCTATGGAACCCACACAATAGAAAGA
GCTAACTCCTCCGATTTGCACTGTGACCTACATGTATACTAAATAAATTAAAATGTAATATGGGTTGCAA
AAAAAATCCACATCTGAATTACAAATGTTTTAATTAGTGTGTATTAAAGGATTTTCTTATGTGTGTAAAA AAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_178619

Insert Size: 801 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:	BC057071, AAH57071
RefSeq Size:	3165 bp
RefSeq ORF:	801 bp
Locus ID:	69773
UniProt ID:	Q8BGX2
Cytogenetics:	9 A3
Gene Summary:	Component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. The TIM22 complex forms a twin-pore translocase that uses the membrane potential as the external driving force. Required for the stability of the TIM22 complex and functions in the assembly of the TIMM22 protein into the TIM22 complex. May facilitate cooperation between TIM22 and TOM complexes by interacting with TOMM40.[UniProtKB/Swiss-Prot Function]