

Product datasheet for **MC206043**

Timm22 (BC055279) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timm22 (BC055279) Mouse Untagged Clone
Tag: Tag Free
Symbol: Timm22
Synonyms: Tim22
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC055279
 TGAAAGGTACTAGAGCCCCTACGGTCATGGCGGCTACCGCCCCAAGCCGGGGTTTCAGCTCCTGAGGC
 AGCGGGTTCTGCCGAAGCTCCGTTGCAGTACAGCCTTCTTCTTCAGTACCTGGTGGCGACAAGCGTCAG
 CCCC GGCTTCTGGAGCCTGGCAGCCTGGCGGGATCCCGAGTCCCTGCCAAGAGCGAGGAGCAGAAGATGA
 TCGAGAGGGCAATGAAAAGTTGCGCCTTCAAGGCTGTGCTGGCCTGTGTAGGAGGTTTGTCTTGGGAGG
 CGCGTTTGGTATCTTTACTGCTGGCATTGATACCAACGTAGGCTTTGACCCAAAGGACCCTTACCGGACA
 CCAACTGCAAAAAGAAGTCTGAAAGACATGGGACAGAGAGGAATGTCCTATGCCAAAACTTTGCCATTG
 TGGGCGCCATGTTTTCATGTAAGTGTCTGGTGTAGAGTCTTACCGGGGAAAGTCCGACTGGAAGAACAG
 CGTCATCAGTGGCTGCATCACTGGCGGAGCCATCGGCTCCGAGCTGGAGTAAAGCCGGGGCCATAGGT
 TGTGGAGGTTTGTCTGCTTTCTCTGCTGCAATCGATTATTACCTACGGTAAAAGAAACAGCCGGGAAGGA
 AAGAGGACGCCAGCCACCTTCAGAGCTGCTCTGTGGAGCAGTTTCTACACACTTGGACTGCTTCAGGGGT
 GAAGCCAAGTGCATCCCTCTACAGTTGATGGTGTGAAGGACACACTCGCTGCTCGATCGCTCTCTCGAG
 CCATTGGAACAACCATACTTTTCCACTTGAATTCCAACCAGGTTTTTCAGGGGAGGTGGTATGGCAGAGT
 GTCTCCTTGCAAGTAAACAGATCAGGAGGCAGTGTGTGGACTGTTACGCATTAAGCTTTGAACCAGGCTCA
 GTTCTGACCTGGCTCAGCTCCCCAGCTTTGAATAGGGAAGTGGCAGTGTGTTGCCATAGCCGGGAAGCTC
 TTCTTCTTCTGTGTGCAAGTATCCATCATGAGTCCCAGGGCAGGGCAAAGTAAACTTATGCCATCGAGG
 CAATTATGTGATTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI
ACCN: BC055279
Insert Size: 585 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>BC055279</u> , <u>AAH55279</u>
RefSeq Size:	1091 bp
RefSeq ORF:	585 bp
Locus ID:	56322
Cytogenetics:	11 B5
Gene Summary:	Essential core component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. In the TIM22 complex, it constitutes the voltage-activated and signal-gated channel. Forms a twin-pore translocase that uses the membrane potential as external driving force in 2 voltage-dependent steps (By similarity).[UniProtKB/Swiss-Prot Function]