

Product datasheet for **RN202818**

Timm44 (NM_017267) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timm44 (NM_017267) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Timm44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202818 representing NM_017267
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCGAGCTCTGCGGGCGGCTGGTGCCGCTGTCGCGGAGGTGCCTAGGCAGCGGAATAACAAT
 TTCTCTCCAGTCACAACCTACCCCGTGGTGGTTCAAGCTACCAGATAAGCCGGCCAGGAGGAGAGCTGAC
 GCTGACTAAATCTTATTCTTCTGGGAGCAGAAAAGGGTTTTTGTGAGGCTTGCTAGATAACATCAAACAA
 GAATTAGCCAAAACAAAGAGATGAAAGAAAGTATAAAGAAGTCCGAGATGAGGCCAAGAACTAGAAG
 AGTCGGATGCCCTTCAGGAAGCCAGAAGAAAATATAAAACCATCGAATCAGAACTGTGCGAACTAGTGA
 AGCAATAAAGAAGAAGCTCGGAGAATTGACAGGCACAGTGAAGGAGAGTCTTGATGAAGTCAGTAAGAGT
 GACCTTGGCCGCAAGATCAAGGAAGGAGTAGAAGAGGCTGCCAGGACAGCCAAGCAGTCAGCAGAGTCAG
 TGTCGAAGGGCGGGGAGAAGCTGGCAAGACGGCGGCCTCAAAGCCATCTCCAGGGTGTAGAGTCGGT
 GAAGAAGGAGATTGATGAGAGCGTGCTCGGACACACAGGGACATACCGCCGGCCTGAGCGGCTCCGAAA
 AGGACAGAGTTTCTGGAGCAAAGTTCAAAGAAAGCAAAGTGTTGAGGCTAATGAGGAAGCATTAGGGG
 TTGTGCTACACAAGGACTCCAAGTGGTACCAGCAGTGAAGGACTTCAAAGATAACAATGTTGATTCAA
 CCGCTTCTTTGAGATGAAGATGAAGTATGATGAAAGTGACAATGTTCTTATCCGGGCATCCCGGGCCTTA
 ACCGACAAGGTCACTGACTTGCTGGGAGGTCTTTTCTCAAAGACAGAAATGTCAGAGGTGCTCACGGAGA
 TCCTGAGAGTGGACCAACCTTTGACAAGGACCGCTTTCTTATCAGTGTGAGACTGACATTATCCCAA
 CATCTAGAGGCCATGATTTCCGGGAACTTGACATTCTCAAAGACTGGTGTATGAAGTACCTACAAC
 CAACTGGCCACTCTATCCAGCAGGCCAAGGCTCTGGCCCTCCAGTCCACTCCCGGATCCTGGATATCA
 GCAATGTGGACCTGGCCATGGCAAGATGATGGAGCAGGGCCCGTGCTGATTGTTACCTCCAGGCCCA
 GCTGGTGATGGTATCAAGAACCCTCAAAGCGAGGTGTTTGACGGTGACCCGGACAAGGTGCTGCGAATG
 CTGTATGTGTGGCACTCTGCAGAGACCAGGAGGAGCTCAACCCTTACGCTGCCTGGCGCCTTCTGGACA
 TATCAGCCTCTAGCACAGAGCAGATCCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017267

Insert Size: 1362 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_017267.1](#), [NP_058963.1](#)

RefSeq Size:	1806 bp
RefSeq ORF:	1362 bp
Locus ID:	29635
UniProt ID:	<u>O35094</u>
Cytogenetics:	12p12
Gene Summary:	mouse homolog is a translocase of the inner mitochondrial membrane; can be up-regulated in hyperglycemic states [RGD, Feb 2006]