

## Product datasheet for **RR216002**

### Timm22 (NM\_032618) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Timm22 (NM\_032618) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Timm22  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216002 representing NM\_032618  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCGCCCAAGGCTGGGGCTTCAGCTCCTGAGGCGGCGGGTCCGCCGAAGCTCCGTTGCAGTACA  
GCCTTCTTCTCAGCACCTGGTGGGCGACAAGCGTCAGCCACGGCTTCTGGAGCCTGGCAGTCTGGGCGG  
GATCCCAGTCTGCAAGAGCGAGGAGCAGAAGATGATCGAGAGGGCGATGAAAAGTTGCCCTTCAAG  
GCTGTGCTGGCCTGTGTGGGAGGATTTGTCTTGGGAGGCGCATTTGGTGTCTTTACTGCTGCATTGATA  
CCAACGTGGGCTTTGACCCCAAGGACCCTTACCGGACACCAACTGCAAGAGAAGTCTGAAGGACATGGG  
ACAGAGAGGAATGTCCTATGCCAAAAATTTGCCATTGTGGGTGCCATGTTTTCTGTACTGAGTGTCTG  
GTAGAGTCTTACCGGGGAAGTCAGACTGGAAGAACAGCGTCATCAGCGGCTGCATCACTGGTGGAGCCA  
TCGGCTTCAGAGCTGGAGTAAAGGCCGGGGCCATAGGTTGTGGAGGTTTTGCTGCTTTCTGCTGCAAT  
CGATTATTACCTACGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR216002 representing NM\_032618  
Red=Cloning site Green=Tags(s)

MAAAKAGASAPEAAGSAEAPLQYSLLLQHLVGDKRQPRLLEPGSLGGIPSPAKSEEQKMIERAMESCAFK  
AVLACVGGFVLGGAFGVFTAGIDTNVGFDPKDPYRTPPTAREVLKDMGQRGMSYAKNFAIVGAMFSCTECL  
VESYRKGSDWKNSVISGCITGGAIGFRAGVKAGAI GCGGFAAFSAIDYLR

**TRTRPLEQKLISEEDLAANDILDYKDDDDK**V

Restriction Sites: Sgfl-MluI

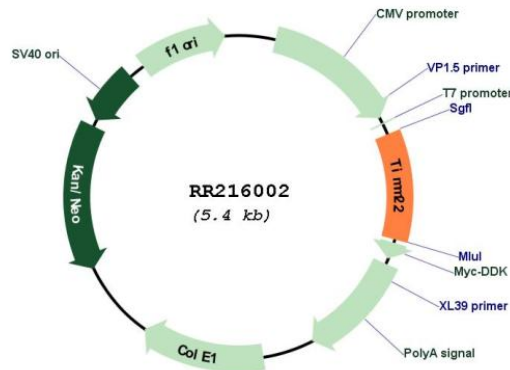


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_032618

ORF Size: 576 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_032618.1</a></u> , <u><a href="#">NP_116007.1</a></u>
<b>RefSeq Size:</b>	1801 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	79463
<b>UniProt ID:</b>	<u><a href="#">Q9JKW1</a></u>
<b>Cytogenetics:</b>	10q24
<b>MW:</b>	19.9 kDa
<b>Gene Summary:</b>	controls the import of integral inner membrane proteins without a matrix targeting signal into the mitochondria [RGD, Feb 2006]