

## Product datasheet for **RN216306**

### Marcks (NM\_001271090) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Marcks (NM\_001271090) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Marcks  
**Synonyms:** KINC; Macs  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216306 representing NM\_001271090  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGGGTGCACAGTTCTCCAAGACCGCAGCGAAGGGAGAAGCCCGCTGAGAGGCCCGGGGAGGCGGCTG  
 TGGCCTCGTCGCTTCCAAAGCAAATGGGCAGGAGAATGGCCACGTAAGTGAACGGGGACGCGTCGCC  
 CGCCGCGCCGAGCCGGGCGCCAAGGAGGAGCTGCACGCCAACTTTTTCTCCCGGCCGCGGACAAGGAG  
 GAGCCTGCGAGCGGCGCGCCGACCCCGCCGCGGCGGATAAGGATGAGGCAGCCGCGCCCGGAGT  
 CGGGCGCCGCCACGGCCGACAAGGAGGCTGCGGAGGCCGAGCCCGCCGAGCCCGGCTCCCCCTCCGCGGA  
 GACCGAGGGCGCGTCTGCCTCCTCCACGTGTCGCCCAAGGCGGAGGACGGGGCCGCGCGTCTCCACG  
 AGCGAGACCCGAAAAAAAAAAGAAGCGCTTTTCTTCAAGAAGTCCTTCAAGCTGAGCGGCTTCTCCT  
 TCAAGAAGAGCAAGAAGGAGGCCGGCGAGGGCGCTGAGGCGGAAGGCGGACCGCCGACGGCGCCAAGGA  
 CGAGGCCGAGCTGCAGCCGGCGGCGACGCGGCCGCGGCCCGGGGAGCAGGCGGGCGGGCGGGCGCC  
 GAGGGCGCGGAGGGCGGAGAGTCCCGGAGGCCGAGGCGCGGAGCCGGAGCAGCCGGAGCAGCTGAGC  
 AGCCCGCGGCGGAAGAGCCAAGGGCCGAGGAGCCGTGCGAGCCGTGGGGGAGAAGGCCGAGGCCCGC  
 GCCGGGCGCCACCGCAGATGACGCGCCCTCCGCTGCGGGGCCGAGCAGGAGGCCCGCCCGCCACCGAC  
 GAGCCCGCGGCGTCCGACGCTCCTCCGCGTCACCGGAGCCGAGCCGAGTGCAGTCCGGAGGCGCCCC  
 CCGCGCCGGTGGCCGAG**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001271090  
**Insert Size:** 930 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001271090.2</a></u> , <u><a href="#">NP_001258019.1</a></u>
<b>RefSeq Size:</b>	4180 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	25603
<b>Cytogenetics:</b>	20q12
<b>Gene Summary:</b>	protein kinase C (PKC) substrate and scaffolding protein [RGD, Feb 2006]