

Product datasheet for **RR216306**

Marcks (NM_001271090) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Marcks (NM_001271090) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Marcks
Synonyms: KINC; Macs
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216306 representing NM_001271090
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGGTGCACAGTTCTCCAAGACCGCAGCGAAGGGAGAAGCCCGCTGAGAGGCCCGGGGAGGCGGCTG
TGGCCTCGTCGCTTCCAAAGCAAATGGGCAGGAGAATGGCCACGTAAGTGAACGGGGACGCGTCGCC
CGCCGCGCCGAGCCGGGCGCCAAGGAGGAGCTGCACGCCAACTTTTTCTCCCGGCCGCGACAAGGAG
GAGCCTGCGAGCGGCGCGCCGACCCCGCCGCGCGGATAAGGATGAGGCAGCCGCGCCCGGAGT
CGGGCGCCGCCACGGCCGACAAGGAGGCTGCGGAGGCCGAGCCCGCCGAGCCCGGCTCCCCCTCCGCGGA
GACCGAGGGCGCGTCTGCCTCCTCCACGTCTCCCGCAAGGCGGAGGACGGGGCCGCGCGTCTCCAGC
AGCGAGACCCGAAAAAAAAAAGAAGCGCTTTTCTTCAAGAAGTCCTTCAAGCTGAGCGGCTTCTCCT
TCAAGAAGAGCAAGAAGGAGGCCGGCGAGGGCGCTGAGGCGGAAGGCGGACCGCCGACGGCGCAAGGA
CGAGGCCGAGCTGCAGCCGGCGGCGACGCGGCCGCGGCCCGGGGAGCAGGCGGGCGGGCGGGCGCC
GAGGGCGCGGAGGGCGGAGAGTCCCGGAGGCCGAGGCGCGGAGCCGGAGCAGCCGGAGCAGCTGAGC
AGCCCGCGGCGGAAGAGCCAAGGGCCGAGGAGCCGTGCGAGCCGTGGGGGAGAAGGCCGAGGCCCGCC
GCCGGGCGCCACCGCAGATGACGCGCCCTCCGCTGCGGGGCCGAGCAGGAGGCCCGCCCGCCACCGAC
GAGCCCGCGCGTCCGACGCTCCTCCGCTCACCGGAGCCGAGCCGAGTGCAGTCCGGAGGCCCGCC
CCGCGCCGGTGGCCGAG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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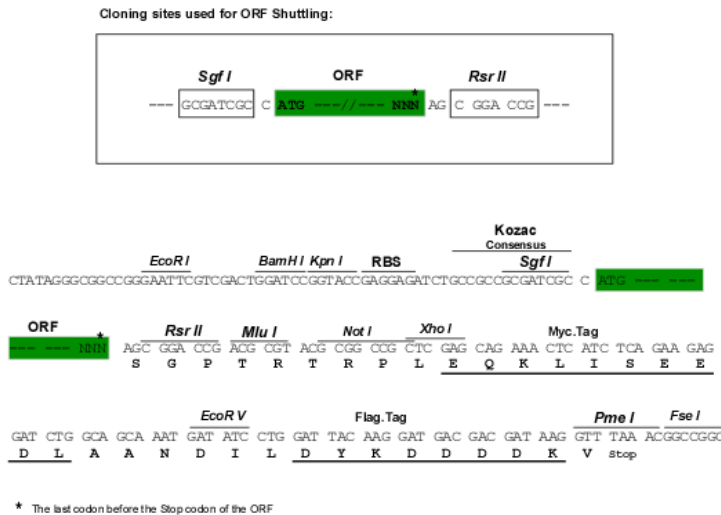
Protein Sequence: >RR216306 representing NM_001271090
Red=Cloning site Green=Tags(s)

MGAQFSKTAAKGEEAERPGEAAVASSPSKANGQENGVKVNVDASPAAEPGAKEELHANFFSPAADKE
 EPASGGAATPAAADKDEAAAAPESGAATADKEAAEAEPAPGSPSAETEGASASSTSSPKAEDGAAPSPS
 SETPKKKKRF SFKKSFKLSGF SFKKSKKEAGEGAEAGATADGAKDEAAAAAGDAAAAAPGEQAGGAGA
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 EPAASAAPSASPEPQPECSPEAPPAPVAE

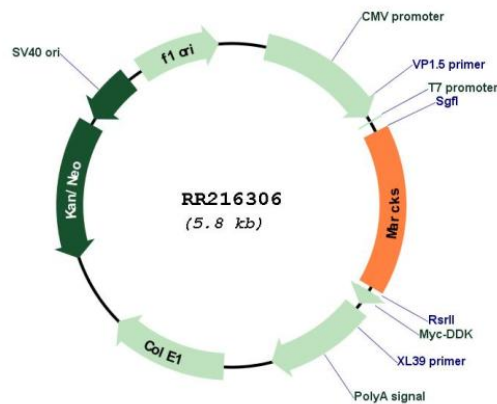
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271090

ORF Size: 927 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.
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>NM_001271090.2, NP_001258019.1</u>
RefSeq Size:	4180 bp
RefSeq ORF:	930 bp
Locus ID:	25603
Cytogenetics:	20q12
MW:	30 kDa
Gene Summary:	protein kinase C (PKC) substrate and scaffolding protein [RGD, Feb 2006]