

Product datasheet for RC210277

MARCKS (NM_002356) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCKS (NM_002356) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MARCKS
Synonyms:	80K-L; MACS; PKCSL; PRKCSL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210277 representing NM_002356 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGCCAGTTCTCCAAGACCCGAGCGAAGGGAGAAGCCGCCGCGGAGAGGCCTGGGGAGGCGGCTG
TGGCCTCGTCGCCTTCAAAGCGAACGGACAGGAGAATGGCCACGTGAAGGTAACGGCGACGCTTCGCC
CGCGGCCCGGAGTCGGGCGCAAGGAGGAGCTGCAGGCCAACGGCAGCGCCCGGCCGACAAAGGAG
GAGCCCGCGCCCGGGAGCGGGCGGCGTCCGCTCCGCGGCCGAGAAAGGTGAGCCGGCCCGCCGCC
CTGCCCCGAGGCGGGGCCAGCCCGGTAGAGAAGGAGGCCCGCGGAAGGCGAGGCTGCCGAGCCCGG
CTGCCCCACGGCCGCGGAGGAGAGGCCGCGTCCGCGCCCTCCTCGACTTCTCGCCAAAGCCGAGGAC
GGGGCCACGCCCTCGCCAGCAACGAGACCCCGAAAAAAGAAAGCGCTTTTCTTCAAGAAGTCTT
TCAAGCTGAGCGGCTTCTCTTCAAGAAGAAAGAAAGGAGGCTGGAGAAGGCGGTGAGGCTGAGGCGCC
CGCTGCCGAAGGCGGCAAGGACGAGGCCGCGGGGGCGCAGCTGCGGCCCGCCGAGGCGGGCGCGGCC
TCCGGGAGCAGGCGAGCGGCCGCGGGCGAGGAGGCGCAGCGGGCGAGGAGGGGGCGCGGGTGGCGACC
CGCAGGAGGCCAAGCCCAGGAGGCCGTGTCGCGCCAGAGAAGCCGCCAGCGACGAGACCAAGGC
CGCCGAGGAGCCAGCAAGGTGGAGGAGAAAAAGCCGAGGAGGCCGGGGCCAGCGCCCGCCGCTGCGAG
GCCCTCCGCGCCGGGCCGCGGCCCGGAGCAGGAGGCCAGCCCGCGGAGGAGCCCGCGGCCGCGGCC
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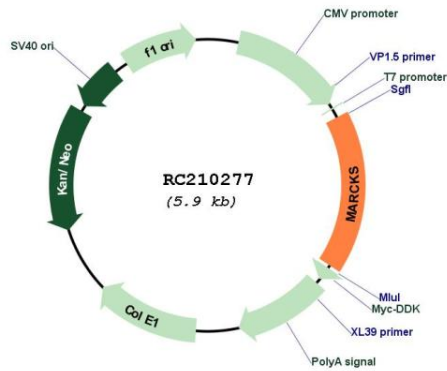
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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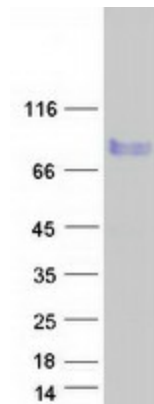
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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. 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:	NM_002356.7
RefSeq Size:	2589 bp
RefSeq ORF:	999 bp
Locus ID:	4082
UniProt ID:	P29966
Cytogenetics:	6q21
Domains:	MARCKS
Protein Families:	Druggable Genome
Protein Pathways:	Fc gamma R-mediated phagocytosis
MW:	31.4 kDa
Gene Summary:	The protein encoded by this gene is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC210277



Coomassie blue staining of purified MARCKS protein (Cat# [TP310277]). The protein was produced from HEK293T cells transfected with MARCKS cDNA clone (Cat# RC210277) using MegaTran 2.0 (Cat# [TT210002]).