

Product datasheet for **MC208965**

Marcksl1 (NM_010807) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Marcksl1 (NM_010807) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Marcksl1
Synonyms:	AL022768; AW215397; AW536807; D4Bc1; F52; MacMARCKS; Macs2; Macs3; Mlp; Mrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_010807, the custom clone sequence may differ by one or more nucleotides

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ATGGGCAGCCAGAGCTCTAAGGCTCCCCGGGGCGACGTGACCGCCGAGGAGGCAGCGGGCGCTTCCCCCG  
CGAAGGCCAACGGACAGGAGAATGGCCACGTGAGAAGCAATGGAGACTTAACCCCAAGGGTGAAGGGGA  
GTCACCACCCGTGAACGGAACAGATGAGGCAGCTGGGGCTACTGGTGATGCCATCGAGCCAGCGCCCCCT  
AGCCAGGAAGCTGAGGCCAAGGGGGAGGTCGCCCCAAGGAGACCCCAAGAAGAAGAAGAAATTCTCTT  
TCAAGAAGCCTTTCAAATTGAGTGGCCTGTCCTTCAAGAGAAATCGGAAGGAGGGTGGGGGTGATTCTC  
AGCCTCTCGCCAACAGAGGAAGAGCAGGAGCAGGGCGAGATGAGCGCCAGCAGCGACGAGGGCACTGCC  
CAAGAAGGAAGGCCGCTGCCACCCTGAGAGCCAAGAGCCCCAGGCCAAGGGGGCAGAGGCTAGTGCTG  
CCTCCAAGGAAGGAGACACAGAAGAGGAGGCAGGGCCCCAGGCTGCAGAGCCATCCACTCCCTCGGGCC  
AGAGAGTGGCCCCACACCTGCCAGTGCTGAGCAGAATGAGTAG
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_010807
Insert Size:	603 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).



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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: [BC006757](#), [AAH06757](#)

RefSeq Size: 1536 bp

RefSeq ORF: 603 bp

Locus ID: 17357

UniProt ID: [P28667](#)

Cytogenetics: 4 63.26 cM

Gene Summary: Involved in the control of cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation (PubMed:22751924). When unphosphorylated, induces cell migration (PubMed:22751924). When phosphorylated by MAPK8, induces actin bundles formation and stabilization, thereby reducing actin plasticity, hence restricting cell movement, including neuronal migration (PubMed:22751924). May be involved in coupling the protein kinase C and calmodulin signal transduction systems (Probable).[UniProtKB/Swiss-Prot Function]