

MARCKSL1 cDNA

Catalog Number: ATGD0339

PRODUCT INFORMATION

Catalog number

ATGD0339

Product type

cDNA

Species

Human

NCBI Accession No.

NP_075385.1

Alternative Names

F52, MACMARCKS, MLP, MLP1, MRP

mRNA Refseq

NM_023009.6

OMIM

602940

Chromosome location

1p35.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

588bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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MARCKSL1 encodes a member of the myristoylated alanine-rich C-kinase substrate (MARCKS) family. Members of this family play a role in cytoskeletal regulation, protein kinase C signaling and calmodulin signaling. The encoded protein affects the formation of adherens junction. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are located on the long arm of chromosomes 6 and 10.

DATA

Sequence nucleotides

```
ATGGGCAGCCAGAGCTCCAAGGCTCCCCGGGGCGACGTGACCGCCGAGGAGGCAGCAGGCGCTTCCCCCGCGAAGGCCA
ACGGCCAGGAGAATGGCCACGTGAAAAGCAATGGAGACTTATCCCCAAGGGTGAAGGGGAGTCGCCCCCTGTGAACGGA
ACAGATGAGGCAGCCGGGGGCACTGGCGATGCCATCGAGCCAGCACCCCCTAGCCAGGGTGCTGAGGCCAAGGGGGAGG
TCCCCCCAAGGAGACCCCAAGAAGAAGAAGAAATTCTCTTTCAAGAAGCCTTTCAAATTGAGCGGCCTGTCCTTCAAGAG
AAATCGGAAGGAGGGTGGGGGTGATTCTTCTGCCTCCTCACCCACAGAGGAAGAGCAGGAGCAGGGGGGAGATCGGTGCCT
GCAGCGACGAGGGCACTGCTCAGGAAGGGAAGGCCGAGCCACCCCTGAGAGCCAGGAACCCAGGCCAAGGGGGCAG
AGGCTAGTGCAGCCTCAGAAGAAGAGGCAGGGCCCCAGGCTACAGAGCCATCCACTCCCTCGGGGCCGGAGAGTGCCCC
TACACCAGCCAGCGCTGAGCAGAATGAGTAG
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Transaction Sequence

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MGSQSSKAPR GDVTAEEAAG ASPAKANGQE NGHVKSNLGD SPKGEGESPP VNGTDEAAGA TGDAIEPAPP SQGAEAKGEV
PPKETPKKKK KFSFKKPKFL SGLSFKRNRK EGGDSSASS PTEEEQEQGE IGACSDGTA QEGKAAATPE SQEPQAKGAE
ASAASEEEAG PQATEPSTPS GPESGPTPAS AEQNE
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