

Product datasheet for **MR227081**

Icam1 (NM_010493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Icam1 (NM_010493) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Icam1
Synonyms:	CD54; Icam; Icam-1; Ly-4; Ly-47; MAL; MALA-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227081 representing NM_010493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCAACCCGTGCCAAGCCACGCTACCTCTGCTCTGGCCCTGGTCACCGTTGTGATCCCTGGGC
 CTGGTGATGCTCAGGTATCCATCCATCCCAGAGAAGCCTTCTGCCCCAGGGTGGGTCCGTGCAGGTGAA
 CTGTTCTTCTCATGCAAGGAGGACCTCAGCCTGGGCTTGGAGACTCAGTGGCTGAAAGATGAGCTCGAG
 AGTGGACCCAACCTGGAAGCTGTTTGAGCTGAGCGAGATCGGGGAGGACAGCAGTCCGCTGTGCTTTGAGA
 ACTGTGGCACCCTGCAGTCGTCGCTTCCGCTACCATCACCGTGTATTCTGTTTCCGGAGAGTGTGGAGCT
 GAGACCTCTGCCAGCCTGGCAGCAAGTAGGCAAGGACCTCACCTGCGCTGCCACGTGGATGGTGGAGCA
 CCGCGGACCCAGCTCTCAGCAGTGTCTCCGTGGGGAGGAGATACTGAGCCGCCAGCCAGTGGGTGGGC
 ACCCCAAGGACCCAAGGAGATCACATTACGGTGTGGCTAGCAGAGGGGACCACGGAGCCAATTTCTC
 ATGCCGCACAGAAGTGGATCTCAGGCCGAAGGGCTGGCATTGTTCTCTAATGTCTCCGAGGCCAGGAGC
 CTCGGACTTTCGATCTTCCAGCTACCATCCAAAGCTCGACACCCTGACCTCCTGGAGGTGGGCACCC
 AGCAGAAGTTGTTTTGCTCCCTGGAAGGCCTGTTTCTGCCTCTGAAGCTCGGATATACCTGGAGCTGGG
 AGGCCAGATGCCGACCCAGGAGAGCACAAACAGCAGTACTGTGTGAGCCACTGCCTTGGTAGAGGTG
 ACTGAGGAGTTCGACAGAACCCTGCCGCTGCGCTGCGTTTTGGAGCTAGCCGACAGATCCTGGAGACGC
 AGAGGACCTTAACAGTCTACAATTTTTCAGCTCCGGTCTGACCTGAGCCAGCTGGAGGTCTCGGAAGG
 GAGCCAAGTAACTGTGAAGTGTGAAGCCACAGTGGTTCGAAGGTGGTCTTCTGAGCGCGTTCGAGCCT
 AGGCCACCCACCCGAGTCCAATTCACACTGAATGCCAGCTCGGAGGATCACAAACGAAGCTTCTTTT
 GCTCTGCCGCTCTGGAGGTGGCGGAAAGTTCTGTTTAAAAACCAGACCCTGGAATGCACTGACGTGTA
 TGGTCTCGGCTGGACGAGACGGACTGCTTGGGAACTGGACCTGGCAAGAGGGGTCTCAGCAGACTCTG
 AAATGCCAGCCTGGGGAAACCCATCTCCTAAGATGACCTGCAGACGGAAGGCAGATGGTCCCTGCTGC
 CCATCGGGGTGGTGAAGTCTGTCAAACAGGAGATGAATGGTACATACGTGTGCCATGCCTTTAGCTCCCA
 TGGGAATGTACCAGGAATGTGTACCTGACAGTACTGTACCCTCTAAAATAACTGGACTATAATCATT
 CTGGTGCCAGTACTGCTGGTCAATGTGGGCTCGTATGGCAGCCTTTATGTTTATAACCGCCAGAGAA
 AGATCAGGATATAAAGTTACAGAAGGCTCAGGAGGAGGCCATAAACTCAAGGGACAAGCCCCACCTCC
 C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227081 representing NM_010493
 Red=Cloning site Green=Tags(s)

MASTRAKPTLPLLLALVTVVIPGPGDAQVSIHPREAFLPQGGSVQVNCSSCKEDLSLGLTQWLKDELE
 SGPNWKLFELSEIGEDSSPLCFENCCTVQSSASATITVYSFPESVELRPLPAWQQVQKDLTLRCHVDGGA
 PRTQLSAVLLRGEEILSRQPVGGHPKDPKEITFTVLASRGDHGANFSCRTELDLRPQGLALFSNVSEARS
 LRTFDLPATIPKLDTPDLLEVGTQQKLFCSLEGLFPASEARIYLELGGQMPTQESTNSSDSVSATALVEV
 TEEFDRTLPLRCVLELADQILETQRTLTVYNFSAPVLTLSQLEVSEGSQVTKCEAHSGSKVLLSGVEP
 RPPTPQVQFTLNASSEDHKRSFFCSAALEVAGKFLFKNQTLHLVLYGPRLDETDLGNWTWQEGSQTL
 KCQAWGNPSPKMTCRRKADGALLPIGVVKSVMQEMNGTYVCHAFSSHGNVTRNVYLTVL YHSQNNWTIII
 LVPVLLVIVGLVMAASYVYNRQRKIRIYKQLQAQEEAIKLGQAPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_f02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_010493

ORF Size: 1611 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:**
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_010493.3](#)

RefSeq Size: 2540 bp

RefSeq ORF: 1614 bp

Locus ID: 15894

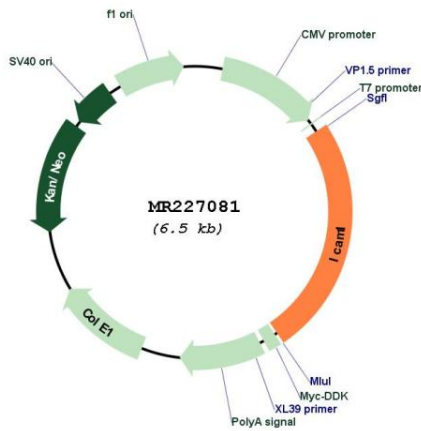
UniProt ID: [P13597](#)

Cytogenetics: 9 7.69 cM

MW: 59.3 kDa

Gene Summary: This gene encodes an integral membrane protein that binds leukocyte adhesion protein LFA-1. It participates in the innate immune response. [provided by RefSeq, Aug 2016]

Product images:



Circular map for MR227081