

Product datasheet for **MR219259**

Icam4 (NM_023892) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Icam4 (NM_023892) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Icam4
Synonyms: 1810015M19Rik; Cd242; ICAM-4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219259 representing NM_023892
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCTGCCCTTCTGCTCCCGTCGCTTTTGTGGTGGCTGCCTATCCGAGGGGTGGGAGCCCCAGC
AAGAGTGGATGCAAAGTCTCCCGCGCCTTCCGTGACCTCAGCACCTTCTGGGTGCGTCTTAATCCAGA
GCTAGAGGCCGTGCTCCCGGGGCTCAGCGTGGCTTAAGTGCAGCCACAAGTCCCGCTGCCGGTGCAT
TCCAGCCTGCGCACCAACTGCGGCAGGAAAGATAGTTAATGGATCCGGCTGGGTATCTTACCAGCTAC
TGGATGTGAGGGCTGGAATCCAAGGTGCGCTGCGTCGTCACCTGCGCAGGAGAAACCCGAGAGGCCAC
CGCCAGGATCACTGCTTACAAACGGCCCAGAAGCGTGATCTTGGAGCCTCCGGTCTAGTGGCCACAAG
TACACTCTGCGATGCTATGTGACACACGTGTTCCAGTGGGATTCTTGGTGGTGGAGCCTGAGAAGAGGTG
GCCGAGTATTTATCATGAAAGCCTGGAGCGCTTACCGGTTTCAAGTTGGCTAATGTCACCTTTGACCTA
CGTGATGCGGGCCGGACTCAACGACCTCTGGCAGCCACTCACCTGCCATGCGCGCCTCAATCTCGACGGG
CTAGTGGTGGCAGCAGCTCGGCACCTGTTATGTTGACAGTCTCGCTTTAAGCCAGCCTCTATAGCCT
TGGCCTACCTCCATCGCAACCCTGGTGGGATCCTCCTGGCTGTTGGGGCTGTCTACGTGCGCAAGTA
CCTGGCTGTGCAGACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219259 representing NM_023892
 Red=Cloning site Green=Tags(s)

MESALLLPSLLLVAAYPRGGSPQQEWMQSPAPSVTSAFWRLNPELEAVPPGGSAWLNCSHNCPLPVH
 SSLRTQLRQGI VNGSGWVSYQLLDVRAWNSKVRVVCAGETREATARITAYKRPRSVILEPPVLVGHK
 YTLRCYVTHVFPVGFLLVSLRRGGRVIYHESLERFTGSDLANVTLTYVMRAGLNDLWQPLTCHARLNLGD
 LVVRSASPVMMLTVLALSPASIALASTSIATLVGILLAVGAVYVRKYLA VQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023892

ORF Size: 786 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:

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_023892.3](#)

RefSeq Size: 907 bp

RefSeq ORF: 789 bp

Locus ID: 78369

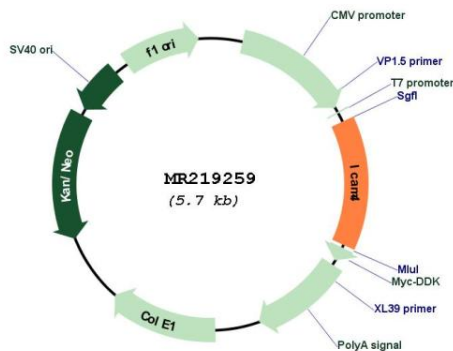
UniProt ID: [Q9ERM2](#)

Cytogenetics: 9 7.69 cM

MW: 28.9 kDa

Gene Summary: Adhesion molecule that binds to leukocyte adhesion LFA-1 protein LFA-1 (integrin alpha-L/beta-2). ICAM4 is also a ligand for alpha-4/beta-1 and alpha-V integrins (By similarity). Isoform 2 may modulate binding of membrane-associated ICAM4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219259