

Product datasheet for **RR201875**

Icam1 (NM_012967) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Icam1 (NM_012967) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Icam1
Synonyms:	CD54; ICAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201875 representing NM_012967
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTCAACCCGTGCCAGGCCATGCTGCCTCTGCTCCTGGTCTGGTCGCCGTTGTGATCCCCGGGC
 CTGTCCGTGCTCAGGTATCCATCCATCCCACAGAAGCCTTCTGCCTCGGGTGGATCCGTGAGGTGAA
 CTGCTCTTCTCTTGCGAAGACGAGAACCCTCGGCCTGGGGTTGGAGACTAACTGGATGAAAGACGAACTA
 TCGAGTGGACACAACCTGGAAGCTCTTCAAGCTGAGCGACATTGGGGAAGACAGCAGACCACTGTGCTTTG
 AGAACTGTGGCACCACGAGTCTCGGCTTCTGCCACCATCACTGTGTATTCTGTTCCAGAGCGAGTGGA
 GCTGGATCCTCTGCCCGCTGCCAGCAGGTGGCAAGAACCCTCATCTGCGCTGCCTGGTGAAGGCCGA
 GCACCCGGACACAGCTCTCAGTAGTGTCTCCGTGGGAATGAGACACTGAGCCGCCAGGCAGTGGATG
 GGGACCCCAAGGAGATCACATTCACGGTCTGGCCAGCAGAGGCCACCGAGCCAATTTCTCATGCTT
 CACAGAACTGGACCTCAGGCCACAAGGGTGTCACTGTTCAGAATGTCTCCGAGGTCAGGCAGCTCCGG
 ACTTTTCGATCTTCGACTAGGGTCTGAAGCTCGACACCCTGACCTCCTGGAGGTGGGCACCCAGCAGA
 AGTTCTTGTTCCCTGGAAGGCCTGTTTCTGCCTCTGAAGCTCAGATACCTGGAGATGGGAGGCCA
 GATGCTGACCCTGGAGAGCACAACAGCAGAGATTTTGTGTGACCCACTGCCTCAGTGGAGGTGACTGAG
 AAGTTGGACAGAACCTGCAGCTGCGCTGTGTTTTGGAGCTGGCGGACCAGACCTGGAGATGGAGAAGA
 CCTTGAGAATCTACAACCTTTTTCAGCTCCCATCTGACCTGAGCCAGCCGGAGGTCTCAGAAGGGGACCA
 AGTAACTGTGAAGTGTGAAGCCCACGGTGGGACACAGTGGTGTCTTGAACAGTACTTCCCCAGGCCA
 CCCACCTCACAGGACTTCCCCAGGCCACCCACCTCACAGATCCAATTCACACTGAATGCCAGCCCGG
 AGGATCACAAACGACGCTCTTTTGTCTCGGCCCTGGAGGTGGTGGGAAGTCCCTGTTAAAAACCA
 GACCTTGGAACTCCATGTGCTATATGGTCTCACCTGGACAAGAAGGACTGCTTGGGAACTGGACCTGG
 CAAGAGGGGTCTCAGCAGACTCTTACATGCCAGCCCCAGGGGAATCCAGCCCTAATCTGACCTGCAGCC
 GGAAAGCAGATGGTGTCCCGCTGCCTATCGGGATGGTGAAGTCTGTCAAACGGGAGATGAATGGTACCTA
 CAAGTGGCGTGCCTTTAGCTCCCGTGGGAGTATCACCAGGGACGTGCACCTGACAGTGTGTACCATGAT
 CAGAATACCTGGGTACATAATTGTTGGTGTGTTGGTACTGATCATTGCGGGCTTCGTGATCGTGGCGTCCA
 TTTACACCTATTACCGCCAGAGGAAGATCAGGATATAAAGTTACAGAAGGCTCAGGAGGAGGCCCTAAA
 ACTCAAGGTACAAGCCCCGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201875 representing NM_012967
 Red=Cloning site Green=Tags(s)

MASTRARPMLPLLLVLVAVVIPGPVGAQVSIHPTEAFLPRGGSVQVNCSSCEDENLGLLETNWMKDEL
 SSGHNWKLFLSDIGEDSRPLCFENCGTTQSSASATITVYSFPERVELDPLPAWQQVGNLILRCLVEGG
 APRTQLSVVLLRGNETLSRQAVDGPKEITFTVLASRGDHGANFSCFTELDLRPQGLSLFKNVSEVRQLR
 TFDLPTRVLKLDTPDLLLEVGTQQKFLCSLEGLFPASEAQIYLEMGGQMLTLESTNSRDFVSATASVEVTE
 KLDRTLQLRCVLELADQTLEMEKTLRIYNFSAPILTLSPQEVSEGDQVTVKCEAHGGAQVLLNSTSPRP
 PTSQGTSPRPPTSQIQFTLNASPEDHKRRFFCSAALEVDGKSLFKNQTLLEHLVYGPLDKKDCLEGNWTW
 QEGSQQLTLCQPQGNPAPNLTCRKAQDGVPLPIGMVKSVKREMNGTYKCRAFSSRGSITRDVHLTVLYHD
 QNTWVIVGVLVLIAGFVIVASIIYTYRQRKIRIYKQLKQAQEEALKLVQAPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_012967

ORF Size: 1635 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_012967.1](#), [NP_037099.1](#)
RefSeq Size: 2602 bp

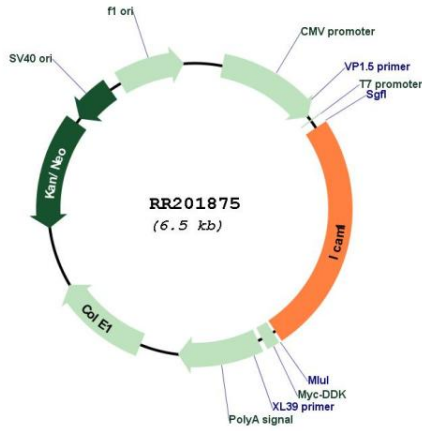
RefSeq ORF: 1638 bp

Locus ID: 25464

UniProt ID: [Q00238](#)

Cytogenetics: 8q13
 MW: 60.1 kDa
 Gene Summary: cell adhesion molecule; ligand for leukocyte adhesion molecule LFA-1 [RGD, Feb 2006]

Product images:



Circular map for RR201875