

Product datasheet for **RR201957**

Icam2 (NM_001007725) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Icam2 (NM_001007725) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Icam2
Synonyms: MGC95023
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201957 representing NM_001007725
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTTCTTTTGCTTGCTGGAACCTGTCTCTAACCCCTCTTGTCTGTTCTGCAGCCCAGGGTCTGGTG
AAAAGGCCTTTGAAGTCTACATACGGTCCGAGAAGCAGATAGTAAAAGCCACAGAGGCTTGAGAGTCAA
CTGCAGCACCAGCTGTGCAGCCCAGAGATCGGTGGTCTGGAGACCCCTACGAATAAGTTAATGTTGGAA
GAGGACCTCATGGGAAATGGATAGAATTCCTAGTCTCAAACGCCACTGTCGACACGGTCTTACTTTGCC
ATTTCACTTGTTTCGGGAAAGCAGCAGGCAGAGAGTTTCAACATCAGGGTGTATGAGCCTCCAGCTCAGGT
AACACTGAAACTGCAGCCCCCTCGAGTGTATGAGGTGAAGCCTTCAACATTGAATGCAAGGTGCCCTCT
GTGAAGCCCCCTTGAGAGCCTCACCTCTCTGCTCTGTGGCAGAGAGACCCTGAAGAACCAGACATTTG
GGGAGCTGAAACTGTCCAGAAGAGGTCATAGCCATATTCAACAGCACAGCTCTGAAAAAGGATGGTCT
TAACTTTTCTGCCAGGCTGAGCTGGATCTACGACCCACGGTGGTCTCTTACCGCCCATCTCAGAG
TACCAGAGCCTTGAAGTCTATGAAATAAGGCAAGACAACCAGATGGTCATCATCATTGTAGTGGTGTCAA
TACTTCTGTTCTTATTCGTGACATCCGTCCTGCTTTGCTTTATCCTCGGCCAGCACTGGCACAGGAGCGC
GACAGGTACCTACGGGGTCTAGCTGCCTGGAGAGGCTCCCCGAGCCCTCCGGGGACGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201957 representing NM_001007725
 Red=Cloning site Green=Tags(s)

MSSFACWNLSTLLVLFCSPPSGEKAFEVYIRSEKQIVKATEAWRVNCSTSCAAPEIGGLETPTNKLMLE
 EDPHGKWIIEFLVSNATVDTVLLCHFTCSGKQQAESFNIRVYPPAQVTLKLPFRVFMGEAFTIECKVPS
 VKPLESLTLLCGRET LKNQTFGGAETVPEEVI AIFNSTALKKDGLNFSCQAE LDRPHGGSLYRRRISE
 YQSLVEY EIRQDNQMVIIIVVVSILLFLFVTSVLLCFILGQHWHRRTGT YGVLAAWRR LPRALRGR

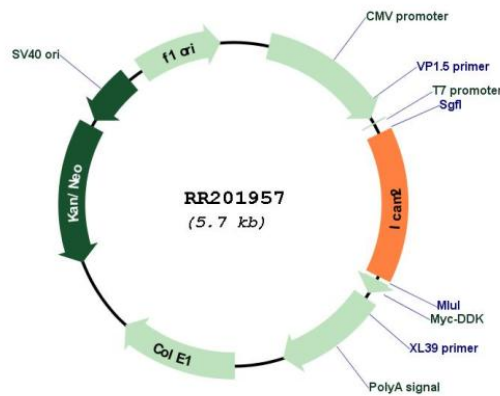
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007725
 ORF Size: 831 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:	<ol style="list-style-type: none">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_001007725.1 , NP_001007726.1
RefSeq Size:	1389 bp
RefSeq ORF:	834 bp
Locus ID:	360647
Cytogenetics:	10q32.1
MW:	31.1 kDa