

Product datasheet for SC119621

ICAM2 (NM_000873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ICAM2 (NM_000873) Human Untagged Clone
Tag:	Tag Free
Symbol:	ICAM2
Synonyms:	CD102
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119621 sequence for NM_000873 edited (data generated by NextGen Sequencing)

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ATGTCCTCTTTCGGTTACAGGACCTGACTGTGGCCCTCTTACCCTGATCTGCTGTCCA
GGATCGGATGAGAAGGTATTCGAGGTACACGTGAGGCCAAAGAAGCTGGCGGTTGAGCCC
AAAGGGTCCCTCGAGGTCAACTGCAGCACCCACCTGTAACCAGCCTGAAGTGGGTGGTCTG
GAGACCTCTCTAGATAAGATTCTGCTGGACGAACAGGCTCAGTGGAAACATTACTTGGTC
TCAAACATCTCCCATGACACGGTCTCCAATGCCACTTCACCTGCTCCGGGAAGCAGGAG
TCAATGAATTC AACGT CAGCGTGTACCAGCCTCAAGGCAGGTCATCCTGACACTGCAA
CCCCTTTGGTGGCTGTGGGCAAGTCTTACCATTGAGTGCAGGGTGCCACCGTGGAG
CCCCTGGACAGCCTCACCTCTTCTGTCCGTGGCAATGAGACTCTGCACTATGAGACC
TTCGGGAAGGCAGCCCCTGCTCCGAGGAGGCCACAGCCACATTC AACAGCACGGCTGAC
AGAGAGGATGGCCACCGCAACTTCTCCTGCCTGGCTGTGCTGGACTTGATGTCTCGCGGT
GGCAACATCTTTCACAAACACTCAGCCCCGAAGATGTTGGAGATCTATGAGCCTGTGTCG
GACAGCCAGATGGTCATCATAGTCACGGTGGTGTGGTGTGCTGCCCTGTTTCGTGACA
TCTGTCTGCTCTGCTTCATCTTCGGCCAGCACTTGCCGAGCAGCGGATGGGCACCTAC
GGGGTGCAGCGGCTTGGAGGAGGCTGCCCCAGGCCTTCCGGCCATAG

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Clone variation with respect to NM_000873.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000873 unedited NCCCTCTATCCCCGCCCTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGACGCG GCCGGAATTCGGCAGGAGGGCAGCCCTTGGCTGGTCCCTGCGAGCCCGTGGAGACTGC CAGAGATGTCCTTTTCGGTTACAGGACCCTGACTGTGGCCCTTTCACCCTGATCTGTCT GTCCAGGATCGGATGAGAAGGTATTTCGAGGTACACGTGAGGCCAAGAAGCTGGCGGTTG AGCCCAAAGGGTCCCTCGAGGTCAACTGCAGCACCACCTGTAACCAGCCTGAAGTGGGTG GTCTGGAGACCTCTAGATAAGATTCTGCTGGACGAACAGGCTCAGTGGAAACATTACT TGGTCTCAAACATCTCCCATGACACGGTCTCCAATGCCACTTCACCTGCTCCGGGAAGC AGGAGTCAATGAATTCCAACGTACGCGTGTACCAGCCTCCAAGGCAGGTATCCTGACAC TGCAACCCACTTTGGTGGCTGTGGGCAAGTCTTACCATTGAGTGCAGGGTGGCCACCG TGGAGCCCTGGACAGCCTACCCTTCTCTGTTCCGTGGCAATGAGACTCTGCACTATG AGACCTTCGGGAAGGCAGCCCTGCTCCGAGGAGGCCACAGCCACATTCAACAGCACGG CTGACAGAGAGGATGGCCACCGCAACTTCTCTGCCTGGCTGTGCTGGACTTGATGTCTC GCGGTGGCAACATCTTTACAACACTCAGCCCCGAAGATGTTGGAGATCTATGAGCCTGT GTCNGACAGCCAGATGGTCATCATAGTCACGGTGGGTGTCGGTGTGCTGTCCCTGTTA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000873 unedited NNNNGGGCTCATAGTATGNNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTT TTTTAAGTCCAGGTGTTTGTATTCGGGCTAGAAAAGCAATGTCCCAAGTCTCTGTGCCT GTCACAGTCTTCAGCCAGGGCTGGACCTCAACCCTGAGGAGTCACTGAGTTCAGT ACCACCGTGGTGGTGGCCATGCCACTCATGGTTGCTATGGCCGGAAGGCCTGGGGCAGCC TCCTCCAAGCCGCTCGCACCCCGTAGGTGCCATCCGCTGCTGGCGCAAGTGTGCGCGA AGATGAAGCAGAGCAGGACAGATGTCACGAACAGGGACAGCAACACCGACACCACCGTGA CTATGATGACCATCTGGCTGTCCGACACAGGCTCATAAATCTCCAACATCTTCGGGGCTG AGTGTGTTGTAAAGATGTTGCCACCGCAGACATCAAGTCCAGCAGCCAGGCAAGAAA AGTTGCGGTGGCCATCCTCCTTGTCAACCCGGCTGTTGAATGTGGGTGTGGCCTCCTGCG GAACAGGGCTGGCCTCCGAAGTGTCTATAATGCAGAGTCTTCTTTCCCGGAACAGGAAA AGGGGGAGGCTTGCCAGGGTCCAACGGGGGCCACCCTGGCCTTAATGGTGAAGGAAT TTGCCACAACCACCAATGGGGTTGTAGTGGTCCGGATGAACCCGATTGGAAGTTT AGAAACCCCTGTCTTTTGCAATCGATTGGCCTCCTCGCTTCCCAGGCCAGTTGAAATG GAATTTGGAACGAACCCGATTATGGGAAAATTGTTTAAACCCAACCGGATTTCACAT GACCCGTGATCCTCCGCCCAATTTTTTTTCTTAACGGGGGCTTTAGAACAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000873
Insert Size:	1000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_000873.2 , NP_000864.1
RefSeq Size:	1035 bp
RefSeq ORF:	828 bp
Locus ID:	3384
UniProt ID:	P13598
Cytogenetics:	17q23.3
Domains:	ICAM_N
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Natural killer cell mediated cytotoxicity
Gene Summary:	<p>The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR compared to variant 1. All 5 variants encode the same protein.</p>