

Product datasheet for **SC125846**

ICAM4 (BC000046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ICAM4 (BC000046) Human Untagged Clone
Tag:	Tag Free
Symbol:	ICAM4
Synonyms:	CD242; CD242 antigen; intercellular adhesion molecule 4; intercellular adhesion molecule 4 (Landsteiner-Wiener b; intercellular adhesion molecule 4 (LW blood group); Landsteiner-Wiener blood group antigen a; Landsteiner-Wiener blood group glycoprotein; LW
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC000046 edited

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GCTCTCTGGCGCGGGGCCCTTAGTCCGGGCTTTTTGCCATGGGGTCTCTGTTCCCTCTG
TCGCTGCTGTTTTTTTTGGCGGCCGCTACCCGGGAGTTGGGAGCGCGCTGGGACGCCGG
ACTAAGCGGGCGCAAAGCCCCAAGGGTAGCCCTCTCGCGCCCTCCGGGACCTCAGTGCCC
TTCTGGGTGCGCATGAGCCCGGAGTTCGTGGCTGTGCAGCCGGGAAGTCAGTGCAGCTC
AATTGCAGCAACAGCTGTCCCCAGCCGAGAATCCAGCCTCCGCACCCCGCTGCGGCAA
GGCAAGACGCTCAGAGGGCCGGTTGGGTGTCTTACCAGCTGCTCGACGTGAGGGCCTGG
AGCTCCCTCGCGCACTGCCTCGTGACCTGCGCAGGAAAAACACGCTGGGCCACCTCCAGG
ATCACCGCTACAGTGTCCCGGTGGGCTACTTGGTGGTGACCCTGAGGCATGGAAGCCG
GGTCATCTATTCCGAAAGCCTGGAGCGCTTACCAGCCTGGATCTGGCCAACGTGACCTT
GACCTACGAGTTTGCTGCTGGACCCCGCACTTCTGGCAGCCCGTGATCTGCCACGCGG
CCTCAATCTCGACGGCCTGGTGGTCCGCAACAGCTCGGCACCCATTACACTGATGCTCGC
TTGGAGCCCCGCGCCACAGCTTTGGCCTCCGGTCCATCGCTGCCCTTGTAGGGATCCT
CCTCACTGTGGGCGCTGCGTACCTATGCAAGTGCCTAGCTATGAAATCCAGCGGTAAG
GGGGATGTCTATGCCGGCTGAGCGAGAAAAAGAGGAATATGAAACAATCTGGGAAATG
GCCATACATGGTGGCTGACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGAGAAT
CGCTTGAGCCCAGGAGTTCGAGACCAGCCTGGACAACATAGTGAGACCCCGTCTATGCAA
AAAATACACAAATTAGCCTGGTGTGGTGGCCCGCACCTGTGGTCCAGCTACCCGGGAGG
CTGAGTTGGGAGGATCCTTTGAGCCCTGAAAGTCGAGGTTGCAGTGAGCCTTGATCGTGC
CACTGCACTCCAGCCTGGGGACAGAGCACGACCTGTCTCAAAAAATAAAAAATAAAAA
AAAAATAATTTGGCGGGGAACCCTCTGGAATCAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC000046 unedited CCCCCTTCAGGATTTGTATACGACTCACTATAGGCGCGCCGCGAATCGGCACGAGGGCTC TCTGGCGCGGGGCCCTNTATCCGGGGGTTTGGCATGGGGTCTCTGTTCCCTCTGTGCG TGCTGTTTTTTTTGGCGGCCCTACCCGGGAGTTGGGAGCGCGCTGGGACGCCGACTA AGCGGGCGCAAAGCCCCAAGGTAGCCCTCTCGCGCCCTCCGGGACCTCAGTGCCCTTCTG GGTGCGCAGGAGCCGGAGTTCGTGGCTGTGCAGCCGGGAAGTCAGTGACAGTCAATTG CAGCAACAGCTGTCCCCAGCCGAGAAATCCAGCCTCCGACCCCGCTGCGGCAAGGCAA GACGCTCAGAGGGCCGGTTGGGTGTCTTACCAGCTGCTCGACGTGAGGGCCTGGAGCTC CCTCGGCACTGCCTCGTACCTGCGCAGGAAAAACACGCTGGGCCACCTCCAGGATCAC CGCCTACAGTGTCCCGGTGGGCTACTTGGTGGTGACCCTGAGGCATGGAAGCCGGGTCA TCTATTCCGAAAGCCTGGAGCGCTTACCAGCCTGGATCTGGCCAACGTGACCTTGACCT ACGAGTTTGTGCTGGACCCGCGACTTCTGGCAGCCCGTATCTGCCACGCGCGCTCA ATCTCGACGGCCTGGGGTCCGCAACAGCTCGGCACCCATTACACTGATGCTCGCTTGA GCCCGCGCCACAGCTTTGGGCCCGGTTTCATCGCTGCCCTTGAGGGGATCCTCCTA CTGTGGGCGCTGCGTACCTATGCAAGTGCCTACCTATGAAAGTCCAGCGTAAGGGGGGA TGTCTATGCCCGCTGAGCGAGAAAAGAGGATATGAAACAATCGGGGAATGGCCTACTGG GGG
Restriction Sites:	Please inquire
ACCN:	BC000046
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:	BC000046.2 , AAH00046.1
RefSeq Size:	1193 bp
RefSeq ORF:	816 bp
Locus ID:	3386
Cytogenetics:	19p13.2
Protein Families:	Secreted Protein, Transmembrane

Gene Summary:

This gene encodes the Landsteiner-Wiener (LW) blood group antigen(s) that belongs to the immunoglobulin (Ig) superfamily, and that shares similarity with the intercellular adhesion molecule (ICAM) protein family. This ICAM protein contains 2 Ig-like C2-type domains and binds to the leukocyte adhesion LFA-1 protein. The molecular basis of the LW(A)/LW(B) blood group antigens is a single aa variation at position 100; Gln-100=LW(A) and Arg-100=LW(B). Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]