

## Product datasheet for SC303044

### ICAM4 (NM\_001544) Human Untagged Clone

#### Product data:

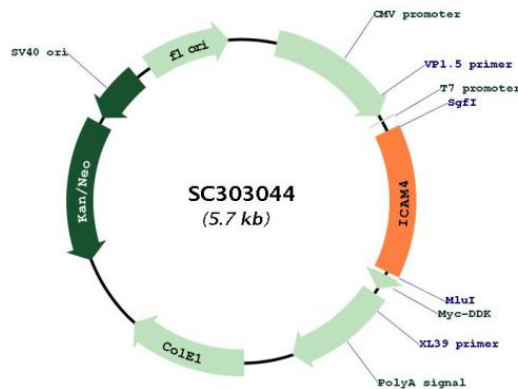
Product Type:	Expression Plasmids
Product Name:	ICAM4 (NM_001544) Human Untagged Clone
Tag:	Tag Free
Symbol:	ICAM4
Synonyms:	CD242; LW
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303044 representing NM_001544. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGGTCTCTGTTCCCTCTGTCGCTGCTGTTTTTTTTGGCGGCCGCCTACCCGGGAGTTGGGAGCGCG
CTGGGACCGCGGACTAAGCGGGCGCAAAGCCCCAAGGGTAGCCCTCTCGCGCCCTCCGGGACCTCAGTG
CCCTTCTGGGTGCGCATGAGCCCGGAGTTCGTGGCTGTGCAGCCGGGAAGTCAGTGCAGCTCAATTGC
AGCAACAGCTGTCCCAGCCGAGAATTCAGCCTCCGCACCCCGCTGCGCAAGGCAAGACGCTCAGA
GGGCCGGGTTGGGTGCTTACCAGCTGCTCGACGTGAGGGCCTGGAGCTCCCTCGCGCACTGCCTCGT
ACCTGCGCAGGAAAAACACGCTGGGCCACCTCCAGGATCACCGCCTACAAACCGCCACAGCGTGATT
TTGGAGCCTCCGGTCTTAAAGGGCAGGAAATACACTTTGCGCTGCCACGTGACGCAGGTGTTCCCGGTG
GGCTACTTGTTGGTGACCTGAGGCATGGAAGCCGGGTCACTATTCCGAAAGCCTGGAGCGCTTACC
GGCCTGGATCTGGCCAACGTGACCTTGACCTACGAGTTTGTGCTGGACCCCGGACTTCTGGCAGCCC
GTGATCTGCCACGCGCGCCTCAATCTCGACGGCCTGGTGGTCCGCAACAGCTCGGCACCCATTACTG
ATGCTCGTTGGAGCCCCGCGCCACAGCTTTGGCCTCCGGTTCATCGTGCCTTGTAGGGATCCTC
CTCACTGTGGGCGCTGCGTACCTATGCAAGTGCCTAGCTATGAAGTCCCAGGCGTAA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001544

**Insert Size:** 816 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001544.4](#)

**RefSeq Size:** 1354 bp

RefSeq ORF:	816 bp
Locus ID:	3386
UniProt ID:	<a href="#">Q14773</a>
Cytogenetics:	19p13.2
Protein Families:	Secreted Protein, Transmembrane
MW:	29.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>