

## Product datasheet for **MC222578**

### Icam5 (NM\_008319) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Icam5 (NM_008319) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Icam5
Synonyms:	CD50; ICAM-3; Icam3; Tlcn; TLN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222578 representing NM\_008319  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGGGCTTCGCCAGGGCTGCGCCGAGCGCTCCTCGGCCTCTGGGCTGCCCTGGGCTGGGGATCC  
 TAGGCATCTCAGCGGTTCGCGCTAGAACCTTTCTGGGCGGACCTTCAGCCCGCGTGGCGCTCGTGGAGCG  
 CGGGGGCTCGCTGTGGCTCAACTGCAGCACTAAGTGTCCGCGCCGAGCGCGGTGGCTGGAGACCTCG  
 CTACGCCGAAACGGGACCCAGAGGGTCTGCGCTGGCTGGCTCGGCAGCTGGTGGACATCCGAGAGCCTG  
 AGACCCAGCCGGTCTGCTTCTCCGCTGCGCGCGCCGACACTCCAAGCGCTGGACTCATCCGAACCTT  
 CCAGCGACCGGATCGGGTAGAGCTGGTCCGCTCCCTTCTTGGCAGCCAGTGGGCGAGAACTTCACCTTG  
 AGCTGCAGGGTCCCGGAGCAGGACCCGAGCGAGCCTCACATTGACCCTGCTCGGGGCGGCCAGGAGC  
 TGATTCGCCGAGTTTCGTAGCGAGCCACCCGAGCGGGGTGCGATGCTCACCGCCAGGGTCTCTGGC  
 ACGCAGGGAGGACCACAGGGTCAATTTCTCATGCCTCGCCGAGCTTGACCTGCGGCCACACGGCTTGGGA  
 CTGTTTGCAAATAGCTCGGCCCCAGACAGCTCCGTACCTTTGCCATGCCTCCACATTCCCGAGTCTTA  
 TTGCTCCCGAGTCTTAGAAGTGGACTCAGAAAGGCCGGTGAATTGCACGTTGGATGGACTGTTTCTCTGC  
 CCCAGAAGCCGGGTTTACCTCTCTCTGGGAGATCAGAGGCTCAATCCTAATGTGACCCTCGATGGGGAC  
 AGCCTTGTGGCCACTGCCACAGCTACAGCAAGCGCAGAACAGGAAGCCAAACAGCTGATGTGCGTGC  
 TGACCCTCGGGGGCGAAAGCAGGGAGACCCAGGAAAACCTGACTGTTTACAGCTTCCCGACTCCTCTTCT  
 GACTTTGAGTGAGCCAGAAGCCCCGAGGAAAAATGGTGACCATAAGCTGCTGGCAGGGGCTCGAGCC  
 CTTGTACCCTGGAGGGAATCCAGCTGCGGTCCCGGGGACCCCGCTGAGCTCCAGTTAAATGTTACAA  
 AGAACGATGACAAGCGGGGCTTCTTCTGCGACCGCCCTCGATGTGGACGGGAAACTTAAGAAAAA  
 CCAGAGCTCTGAGCTTCGTGTCCTGTATGCACCTCGCCTGGATGACTTGGATTGTCCAGAAAGTGGACG  
 TGGCCAGAGGGTCCAGAGCAGACCTCCACTGCGAGGCCCGGAAACCTGAGCCCTCGGTGCACTGTG  
 CAAGGCCCTGAGGGCGGGGCGGTGCTAGCGCTGGGCCTATTGGGTCCAGTGACCCGTGCCCTCGCAGGCAC  
 TTACCGATGCACAGCAGTCAATGGGCAAGGCCAGGCGGTCAAAGATGTGACCCTGACCGTGGAAATATGCC  
 CCAGCGCTGGACAGTGTAGGCTGCCAGAACATATTACTTGGCTGGAGGGAAACGGAGGCATCGCTTAGCT  
 GTGTGGCACACGGGGTCCACCACCTAGCGTGAGTTGTGTGCGCTCTGAAAAGGAGGAAGTCATGGAAGG  
 GCCTCTGCGCGTGGCCCGGAGCAGCCCGCATTACCGATGCGAAGCCATCAACGCCAGAGGATCAGCG  
 GCCAAAAATGTGGCCGTACGGTGAATATGGTCCAGTTTTGAGGAGTGGGCTGCCCCAGCAACTGGA  
 CGTGGGTAGAGGGATCTGGAAAGCTGTTTTCTGTGAAGTTGATGGGAAGCCAGAACCACGTGTGGAGTG  
 CGTAGGCTCGGAGGGTGAAGCGAAGGGATAGTGTGCCCTTGGTGTCTCAAACCTGGTCTTAGAAAC  
 TCTATGACCCCTGGTAACCTGTACCCGGGCATTTACCTCTGCAACGCCACCAACCGGCACGGCTCCACAG  
 TCAAAACAGTCGTGAGCGCGGAGTCCCGCCACAGATGGAATGAATCCAGTTGCCCGAGTCCACAGAC  
 CTGGCTGGAAGGAGCTGAGGCTACCGCGCTGGCCTGCAGTGCCAGGGGCCCGCCCTCCACGGGTGCAT  
 TGCTCCAGGGAGGGTCCCGCCAGGCTGGAGAGGCTACAGGTGTCCCGAGAGGATGCGGGGACCTACCGCT  
 GTGTGGCCACCAATGCGCATGGCACGGATTACGGACGGTCACTGTGGGTGTGGAATACCGGCCTGTGGT  
 GGCTGAGCTGGCAGCCTCGCCCCAAGCGTGGCGCCGGGCGTAACCTCACTCTGACCTGCCCGCAGAG  
 GCTTGGCCTCCAGCCAGATCAGCTGGCGCGCCCGCCCGGGGCTCTCAACCTCGGCCTCCAGCAACA  
 ATAGCACTCTGAGCGTGGCGGGAGCCATGGGCAGCCATGGCGGCGAGTATGAGTGTGCAGCGACCAATGC  
 GCATGGGCGCCACGCACGGCGCATCACAGTGCAGTGGCCGGTCCATGGCTGTGGGTGCTGTGGGCGGT  
 GCGGCAGGGGCGCGGCGCTGCTGGCCGCTGGGCGGCGCTGGCCTTCTACGTGCAATCCACCGCTTGCA  
 AGAAGGGCGAGTACAACGTCCAGGAGGCTGAGAGCTCAGGCGAGGCGGTGTGTCTCAATGGCGGGGCGG  
 GACACCGGGTGCAGAAGGCGGAGCAGAGACCCAGGCACTGCAGAGTCACTGCAGATGGCGAGGTTTTTC  
 GCTATCCAGCTGACATCTTCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

<b>ACCN:</b>	NM_008319
<b>Insert Size:</b>	2754 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_008319.2</a> , <a href="#">NP_032345.2</a>
<b>RefSeq Size:</b>	2982 bp
<b>RefSeq ORF:</b>	2754 bp
<b>Locus ID:</b>	15898
<b>UniProt ID:</b>	<a href="#">Q60625</a>
<b>Cytogenetics:</b>	9 7.7 cM
<b>Gene Summary:</b>	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). [UniProtKB/Swiss-Prot Function]