

## Product datasheet for **SC303289**

### ICAM5 (NM\_003259) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ICAM5 (NM_003259) Human Untagged Clone
Tag:	Tag Free
Symbol:	ICAM5
Synonyms:	TLCN; TLN
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003259 edited  
 GTCCTCTAGCCCAGCTCCTCGGCTCGCGCTCCTCGCCTCCTGTGCTTTCCCCGCCGG  
 GCGATGCCAGGGCTTCGCCAGGGCTGCGCCGGGCGCTACTCGGCCTCTGGCTGCTCTG  
 GGCTGGGGCTCTTCGGCTCTCAGCGGTCTCGCAGGAGCCCTTCTGGGCGGACCTGCAG  
 CCTCGCGTGGCGTTCGTGGAGCGCGGGGCTCGCTGTGGCTGAATTGCAGCACC AACTGC  
 CCTCGGCCGAGCGCGGTGGCTGGAGACCTCGCTGCGCCGAAACGGGACCCAGAGGGGT  
 TTGCGTTGGTTGGCGCGGAGCTGGTGGACATTCGCGAGCCGAGACTCAGCCCGTCTGC  
 TTCTTCCGCTGCGCGGGCGCACACTACAGGCGGTGGGCTCATTGCACTTTCCAGCGA  
 CCAGATCGCGTAGAGCTGATGCCGCTGCCTCCCTGGCAGCCGGTGGGCGAGA AACTCACC  
 CTGAGCTGTAGGGTCCCCGGCGCCGGGCCCGTGCAGCCTCACGCTGACCTGTGCGG  
 GCGGCCAGGAGCTGATCCGCCGAGCTTCGCCGGTGAACCACCCGAGCGGGGGCGCG  
 GTGCTCACAGCCACGGTACTGGCTCGGAGGGAGGACCATGGAGCCAATTTCTCGTGTGCG  
 GCCGAGCTGGACCTGCGGCCGACGACTGGGACTGTTTGAAAACAGCTCGGCCCCAGAG  
 GAGCTCCGAACCTTCTCCCTGTCTCCGGATGCCCGCGCCTCGCTGCTCCCCGGCTTTG  
 GAAGTTGGCTCGGAAAGGCCCGTGGAGCTGCACTCTGGACGGACTGTTCCAGCCTCAGAG  
 GCCAGGGTCTACCTCGCACTGGGGGACCAGAATCTGAGTCTGATGTACCCTCGAAGGG  
 GACGCATTCGTGGCCACTGCCACAGCCACAGCTAGCGCAGAGCAGGAGGGTGCCAGGCAG  
 CTGATCTGCAACGTCACCCTGGGGGGCGAAAACCGGGAGACCCGGGAGAACGTTGACCATC  
 TACAGCTTCCCGCACCACTCCTGACCCTGAGCGAACCAGCGTCTCCGAGGGGAGATG  
 GTGACAGTAACCTGCGCAGCTGGGACCCAAAGCTCTGGTACACTGGAGGGAGTTCAGCC  
 GCGGTCCCGGGGAGCCCGCCAGCTTACGCTAAATGCCACCGAGAACGACGACAGACGC  
 AGCTTCTTCTGCGACGCCACCCTCGATGTGGACGGGGAGACCCTGATCAAGAACAGGAGC  
 GCAGAGCTTCGTGTCTATACGCTCCCCGGCTAGACGATTGCGACTGCCCCAGGAGTTGG  
 ACGTGGCCCGAGGGCCAGAGCAGACGCTGCGCTGCGAGGCCCGCGGGAACCCAGAACCC  
 TCAGTGCCTGTGCGCGTCCGACGGCGGGCCGTGCTGGCTCTGGCCCTGCTGGGTCCA  
 GTCCTCGGGCGCTCTCAGGCATTACCCTGCAAGGCGGCAATGATCAAGGCGAGGCCG  
 GTCAGGACGTAACGCTAACGGTGGAGTACGCACCAGCGCTGGACAGCGTGGGCTGCCCA



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GAACGCATTACTTGGCTGGAGGGAACAGAAGCCTCGCTGAGCTGTGTGGCGCACGGGGTA  
 CCGCCGCTGATGTGATCTGCGTGCGCTCTGGAGAACTCGGGGCCGTCATCGAAGGGCTG  
 TTGCGTGTGGCCCGGGAGCATGCGGGCACTTACCGCTGCGAAGCCACCAACCCTCGGGG  
 TCTGCGGCCAAAAATGTGGCCGTACGGTGGAATATGGCCCCAGGTTTGAGGAGCCGAGC  
 TGCCCCAGCAATTGGACATGGGTGGAAGGATCTGGGCGCCTGTTTTCTGTGAGGTCGAT  
 GGAAGCCACAGCAAGCGTGAAGTGCCTGGGCTCCGGGGGCCCACTGAGGGGGTGCTG  
 CTGCCGCTGGCACCCCCAGACCCTAGTCCAGAGCTCCAGAATCCCTAGAGTCCCTGGCA  
 CCCGGTATCTACGTCTGCAACGCCACCAACCGCCACGGCTCCGTGGCCAAAACAGTCGTC  
 GTGAGCGCGGAGTCGCCACCGGAGATGGATGAATCTACCTGCCCAAGTACCAGACGTGG  
 CTGGAAGGGGCTGAGGCTTCCGCGCTGGCCTGCGCCGCCCGGGGTGCGCCCTCCCCAGGA  
 GTGCGCTGCTCTCGGAAGGCATCCCATGGCCTGAGCAGCAGCGCGTGTCCCGAGAGGAC  
 GCGGGCACTTACCACTGTGTGGCCACCAATGCGCATGGCAGGACTCCCGGACCGTCACT  
 GTGGGCGTGAATACCGGCCAGTGGTGGCCGAACCTGCTGCTCGCCCCCTGGAGGCGTG  
 CGCCAGGAGAACTTACGTTGACCTGCCGCGGGAGGCTGGCCTCCAGCCCAGATC  
 AGCTGGCGCGCCCCCGGGGGCCTCAACATCGGCTGTGAGCAACAACAGCACACTG  
 AGCGTGGCAGGCCCATGGGAAGCCACGGCGGCGAGTACGAGTGGCAGCCACCAACCGG  
 CACGGGGCCACGCGCGGCGCATCACGGTGCCTGGCCGGTCCGTGGCTATGGGTGCGC  
 GTGGGCGGCGCGGGGGGGCGGGCGCTGCTGGCCGCGGGGGCCGGCCTGGCCTTCTAC  
 GTGCAGTCCACCGCTGCAAGAAGGGCGAGTACAACGTGCAGGAGGCCGAGAGCTCAGGC  
 GAGGCCGTGTGTCTCAACGGAGCGGGCGGGCGGCTGGCGGGGCGGAGGCGGGAGGGC  
 GGACCCGAGGCGGGGGGGCGGGCGGAGTCCCGGGCGGAGGGCGAGGTCTTCGCCATA  
 CAGCTGACATCGGCGTGAAGCCGCTCCCTCTCCCGCGGGCGGGGGACGCCCCCAGA  
 CTCACACGGGGGCTTATTTATTGCTTTATTTATTTACTTATTCATTTATTTATGTATTCA  
 ACTCAAAGGGCGTACCCCCATTTCTACCCATCCCCTCAATAAAGTTTTTATAAAGGAA  
 AAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_003259
- Insert Size:** 3000 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:** The ORF of this clone has been fully sequenced and found to contain 2 SNPs compared with NM\_003259.2.
- 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\\_003259.2](#), [NP\\_003250.2](#)

RefSeq Size: 3000 bp

RefSeq ORF: 2775 bp

Locus ID: 7087

UniProt ID: [Q9UMF0](#)

Cytogenetics: 19p13.2

Protein Families: Transmembrane

**Gene Summary:** 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 is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases. [provided by RefSeq, Jul 2008]