

Product datasheet for SC316701

ICAM2 (NM_001099786) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ICAM2 (NM_001099786) Human Untagged Clone
Tag:	Tag Free
Symbol:	ICAM2
Synonyms:	CD102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316701 representing NM_001099786. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCTCTTTCGGTTACAGGACCCTGACTGTGGCCCTTCCACCCTGATCTGCTGTCCAGGATCGGAT
GAGAAGGTATTCGAGGTACACGTGAGGCCAAAGAAGCTGGCGGTTGAGCCCAAAGGGTCCCTCGAGGTC
AACTGCAGCACCACCTGTAACAGCCTGAAGTGGGTGGTCTGGAGACCTCTAGATAAGATTCTGCTG
GACGAACAGGCTCAGTGGAAACATTACTTGGTCTCAAACATCTCCATGACACGGTCTCCAATGCCAC
TTCACCTGCTCCGGAAGCAGGAGTCAATGAATCCAACGTGACGCTGTACCAGCCTCAAGGCAGGTC
ATCCTGACTGCAACCCACTTTGGTGGCTGTGGCAAGTCTTACCATTGAGTGCAGGGTGCCACC
GTGGAGCCCTGGACAGCCTCACCTCTTCTGTTCCGTGGCAATGAGACTCTGACTATGAGACCTTC
GGGAAGGCAGCCCTGCTCCGCAGGAGGCCACAGCCACATTCAACAGCACGGCTGACAGAGAGGATGGC
CACCGCAACTTCTCCTGCCTGGCTGTGCTGGACTTGATGTCTCGCGGTGGCAACATCTTTCACAAACAC
TCAGCCCCGAAGATGTTGGAGATCTATGAGCCTGTGTCGGACAGCCAGATGGTCATCATAGTCACGGTG
GTGTCGGTGTGCTGTCCCTGTTCTGTGACATCTGTCTGCTCTGCTTTCATCTTCGGCCAGCACTTGGCC
CAGCAGCGGATGGGCACCTACGGGTGCGAGCGGCTTGGAGGAGGCTGCCCCAGGCTTCCGGCCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001099786
Insert Size:	828 bp



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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:	<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_001099786.1
RefSeq Size:	1352 bp
RefSeq ORF:	828 bp
Locus ID:	3384
UniProt ID:	P13598
Cytogenetics:	17q23.3
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Natural killer cell mediated cytotoxicity
MW:	30.7 kDa
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 (1) represents the longest transcript. All 5 variants encode the same protein.</p>