

Product datasheet for **RG200714**

ICAM1 (NM_000201) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ICAM1 (NM_000201) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ICAM1
Synonyms:	BB2; CD54; P3.58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200714 representing NM_000201
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCCAGCAGCCCCGGCCCGCTGCCCGCACTCCTGGTCTGCTCGGGCTCTGTTCCAGGAC
 CTGGCAATGCCAGACATCTGTGTCCCTCAAAGTCATCCTGCCCGGGAGGCTCCGTGCTGGTGAC
 ATGCAGCACCTCCTGTGACCAGCCAAAGTTGTTGGGCATAGAGACCCCGTTGCCCTAAAAAGGAGTTGCTC
 CTGCCTGGGAACAACCGAAGGTGTATGAACTGAGCAATGTGCAAGAAGATAGCCAACCAATGTGCTATT
 CAAACTGCCCTGATGGGCAGTCAACAGCTAAAACCTTCTCACCGTGTACTGGACTCCAGAACGGGTGGA
 ACTGGCACCCCTCCCTCTTGGCAGCCAGTGGGCAAGAACCTTACCCTACGCTGCCAGGTGGAGGGTGGG
 GCACCCCGGGCCAACCTCACCGTGGTGTGCTCCGTGGGAGAAGGAGCTGAAACGGGAGCCAGCTGTGG
 GGGAGCCCGCTGAGGTCACGACCAGGTGCTGGTGAGGAGAGATCACCATGGAGCCAATTTCTCGTGCCG
 CACTGAACTGGACTGCGGCCCAAGGGCTGGAGCTGTTTGAACAACCTCGGCCCTACCAGCTCCAG
 ACCTTTGTCTGCCAGCGACTCCCCACAACCTGTGAGCCCGGGTCTAGAGGTGGACACGCAGGGGA
 CCGTGGTCTGTTCCCTGGACGGGCTGTTCCAGTCTCGGAGGCCAGGTCCACCTGGCACTGGGGACCA
 GAGGTTGAACCCACAGTCACTATGGCAACGACTCCTTCTCGGCCAAGGCCCTCAGTCAGTGTGACCCGA
 GAGGACGAGGGCACCCAGCGGCTGACGTGTGCAGTAATACTGGGGAACAGAGCCAGGAGACTGCAGA
 CAGTGACCATCTACAGCTTTCGGCGCCCAACGTGATTCTGACGAAGCCAGAGGTCTCAGAAGGGACCGA
 GGTGACAGTGAAGTGTGAGGCCACCCTAGAGCCAAGGTGACGCTGAATGGGGTTCAGCCAGCCACTG
 GGCCCGAGGGCCAGCTCCTGCTGAAGGCCACCCAGAGGACAACGGGCGCAGCTTCTCTGCTGTGCAA
 CCCTGQAGGTGGCCGGCCAGCTTATACACAAGAACCAGACCCGGGAGCTTCGTGTCTGTATGCCCCCG
 ACTGGACGAGAGGGATTGTCCGGGAAACTGGACGTGGCCAGAAAATTCCAGCAGACTCCAATGTGCCAG
 GCTTGGGGGAACCCATTGCCGAGCTCAAGTGTCTAAAGGATGGCACTTTCCTGCTGCCCCATCGGGAA
 CAGTACTGTCACTCGAGATCTTGGGGCACCTACCTCTGTGCGGCCAGGAGCACTCAAGGGGAGGTAC
 CCGCAAGGTGACCGTGAATGTGCTCTCCCCCGGTATGAGATTGTATCATCACTGTGGTAGCAGCCGCA
 GTCATAATGGGCACTGCAGGCCTCAGCACGTACCTCTATAACCGCCAGCGGAAGATCAAGAAATACAGAC
 TACAACAGGCCAAAAAGGGACCCCATGAAACCGAACACACAAGCCACGCCTCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200714 representing NM_000201
 Red=Cloning site Green=Tags(s)

MAPSSPRPALPALLVLLGALFPGPNAQTSVSPSKVILPRGGSVLVTCSTSCDQPKLLGIETPLPKKELL
 LPGNNRKYVELSNVQEDSQPMCYSNCPDQSTAKTFLTVYWTPERVELAPLPSWQPVGKNLTLRCQVEGG
 APRANLTVVLLRGEKELKREPAVGEPAEVTTTVLVRDHHGANFSCRTELDLRPQLELFENTSAPYQLQ
 TFVLPATPPQLVSPRVLEVDTQGTVVCSLDGLFPVSEAQVHLALGDQRLNPTVYGNDSFSAKASVSVTA
 EDEGTQRLTCAVILGNQSQETLQVTIYSFPAPNVILTKPEVSEGTEVTVKCEAHPRAKVTLNGVPAQPL
 GPRAQLLLKATPEDNGRSFSCSATLEVAGQLIHKNTRELRLVYGPRLDERDCPGNWTWPENSQQTPMCQ
 AWGNPLPELKLKLDGTFPLPIGESVTVTRDLEGTYLCRARSTQGEVTRKVTNVNLSPRYEIVIIITVAAA
 VIMGTAGLSTYLYNRQRKIKKYRLQQAQKGTMPKPNTQATPP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_000201

ORF Size: 1596 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

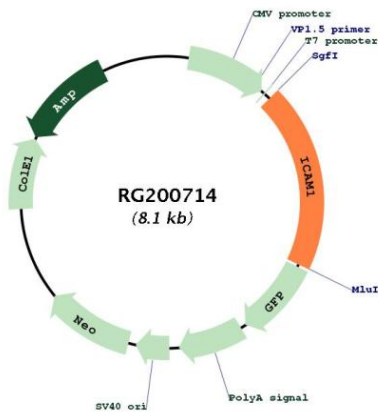
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_000201.3](#)

RefSeq Size:	2986 bp
RefSeq ORF:	1599 bp
Locus ID:	3383
UniProt ID:	P05362
Cytogenetics:	19p13.2
Domains:	IG, ICAM_N
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Viral myocarditis
Gene Summary:	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200714