

Product datasheet for **SC324022**

CD239 (BCAM) (NM_005581) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD239 (BCAM) (NM_005581) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD239
Synonyms:	AU; CD239; LU; MSK19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005581.3
 TGAACATGGAGCCCCCGACGCACCGGCCAGGCGCGCGGGGCCCGCGGCTGCTGTTGC
 TCGCAGTCTGTGGCGGCGCACCCAGATGCCAGGCGGAGGTGCGCTTGTCTGTACCCC
 CGCTGGTGGAGGTGATGCGAGGAAAGTCTGTATTCTGGACTGCACCCCTACGGGAACCC
 ACGACCATTATATGCTGGAATGGTTCTTACCGACCGCTCGGGAGCTCGCCCCCGCTAG
 CCTCGGCTGAGATGCAGGGCTCTGAGCTCCAGGTCACAATGCACGACACCCGGGGCCGA
 GTCCCCCATACCACTGGACTCCAGGGGCGCCTGGTGTGCTGAGGCCAGGTGGGCG
 ACGAGCGAGACTACGTGTGCGTGGTGGAGGCAGGGGCGGCAAGGCACTGCTGAGGCCACTG
 CGCGGCTCAACGTGTTTGC AAAAGCCAGAGGCCACTGAGGTCTCCCAACAAAGGACAC
 TGTCTGTGATGGAGGACTCTGCCAGGAGATCGCCACCTGCAACAGCCGGAACGGGAACC
 CGGCCCAAGATCACGTGGTATCGCAACGGGAGCGCCTGGAGGTGCCGTAGAGATGA
 ACCCAGAGGGCTACATGACCAGCCGCACGGTCCGGGAGGCCTCGGGCCTGCTCTCCCTCA
 CCAGCACCTCTACCTGCGGCTCCGCAAGGATGACCGAGACGCCAGCTTCCACTGCGCCG
 CCCACTACAGCCTGCCAGGGCCGCCACGGCCGCTGGACAGCCCACTTCCACTCA
 CCCTGCACTATCCACGGAGCACGTGCAGTTCTGGGTGGGCGAGCCGTCACCCAGCAG
 GCTGGGTACGCGAGGGTGACACTGTCCAGCTGCTGCGGGGGGACGGCAGCCAGCCAGCC
 CGGAGTACGCTTTTCCGCCTTCAAGGATGAGCAGGAGGAAGTGTGAATGTGAATCTCG
 AGGGAACTTGACCCTGGAGGGAGTGACCCGGGGCCAGAGCGGGACCTATGGCTGCAGAG
 TGGAGGATTACGACGCGGCAGATGACGTGCAGCTCTCAAAGACGCTGGAGCTGCGCGTGG
 CCTATCTGGACCCCTGGAGCTCAGCGAGGGGAAGGTGCTTTCCTTACCTCTAAACAGCA
 GTGCAGTCGTGAAGTCTCCGTGCACGGCCTGCCACCCCTGCCCTACGCTGGACCAAGG
 ACTCCACTCCCCTGGGCGATGGCCCCATGCTGTGCTCAGTTCTATCACCTTCGATTCCA
 ATGGCACCTACGTATGTGAGGCTCCCTGCCACAGTCCCGTCTCAGCCGACCCCAAGG
 ACTTCACGCTGCTGGTCCAAGGCTCGCCAGAGTAAAGACAGCGGAAATAGAGCCCAAGG
 CAGATGGCAGCTGGAGGGAAGGAGACGAAAGTCACTCATCTGCTGCTGCCGCGGCCATC
 CAGACCCAAACTCAGCTGGAGCCAATTGGGGGCGAGCCCGCAGAGCCAATCCCGGAC
 GGCAGGGTTGGGTGAGCAGCTCTGACCCTGAAAGTGACCAGCGCCCTGAGCCGCGATG
 GCATCTCTGTGAAGCCTCAACCCACGGGAACAAGCGCCATGCTTCCACTTCGGCA
 CCGTGAGCCCCAGACCTCCAGGCTGGAGTGGCCGTCATGGCCGTGGCCGTGAGCGTGG
 GCCTCCTGCTCCTCGTCTGCTGCTTCTACTGCGTGAGACGCAAGGGGGCCCTGCT
 GCCGCCAGCGGGGAGAAGGGGCTCCGCCAGGGGAGCCAGGGCTGAGCCACTCGG
 GGTCCGAGCAACAGAGCAGACCGGCTTCTCATGGGAGGTGCCTCCGGAGGAGCCAGGG
 GTGGCAGCGGGGCTTCGGAGACGAGTGTGAGCCAAGAACCCTTAGAGGCTGTCCCTG
 GACCTGGAGCTGCAGGCATCAGAGAACCAGCCCTGCTCACGCCATGCCCGCCCCGCTT
 CCCTTCCCTCTCCCTCTCCCTGCCAGCCCTCCCTTCCCTCTGCGGCAAGGCA
 GGGACCCACAGTGGTGCCTGCCCGGGAGGGAAGGAGAGGGGAGGGTGGTGGTGGGA
 GGGGGCTTCTCCAGGGAATGTACTCTCCAGGCCCAAGAATAGCTCCTGGACCCAAG
 CCCAAGGCCAGCCTGGGACAAGGCTCCGAGGGTGGCTGGCCGAGCTATTTTACCTC
 CCGCCTCCCTTGTGTTGCTCCCCACCTGACGTCTTGTGTCAGAGTCTGACTGGATTC
 CCCCCCTACCCCGCCCTGGTCCCACTCTGCCCGCCCTACCTCCGCCCCACCCAT
 CATCTGTGACTGAGTCTGGAATAAATGCTGTTTGTACATCAAAAAAAAAAAAAAA
 AAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_005581

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_005581.3 , NP_005572.2
RefSeq Size:	2448 bp
RefSeq ORF:	1887 bp
Locus ID:	4059
UniProt ID:	P50895
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes Lutheran blood group glycoprotein, a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein, laminin. The protein contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Polymorphisms in this gene define some of the antigens in the Lutheran system and also the Auberger system. Inactivating variants of this gene result in the recessive Lutheran null phenotype, Lu(a-b-), of the Lutheran blood group. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).</p>