

Product datasheet for **SC320165**

CD18 (ITGB2) (NM_000211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD18 (ITGB2) (NM_000211) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD18
Synonyms:	CD18; LAD; LCAMB; LFA-1; MAC-1; MF17; MFI7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_000211.2
GTTGGGCTGAGACCGTCACCAAGACCCCTCCCTCCACAGGACATGCTGGGCTGCGCC
CCCCACTTCTCGCCCTGGTGGGGCTGCTCTCCCTCGGGTGGTCTCTCTCAGGAGTGCA
CGAAGTTCAAGGTGACGAGCTGCCGGGAATGCATCGAGTCGGGGCCCGGCTGCACCTGGT
GCCAGAAGCTGAACTTACAGGGCCGGGGATCCTGACTCCATTTCGTCGACACCCGGC
CACAGCTGCTCATGAGGGGTGTGCGGCTGACGACATCATGGACCCACAAGCCTCGTTG
AAACCCAGGAAGACCACAATGGGGGCCAGAAGCAGCTGTCCCAAAAAAGTGACGCTTT
ACCTGCGACCAGGCCAGGCAGCAGCGTTCAACGTGACCTTCCGGCGGGCAAGGGCTACC
CCATCGACCTGTACTATCTGATGGACCTCTCTACTCCATGCTTGATGACCTCAGGAATG
TCAAGAAGCTAGGTGGGACCTGCTCCGGGCCCTCAACGAGATCACCGAGTCCGGCCGCA
TTGGTTCGGGTCTTCTGTGGACAAGACCGTGCTGCCGTTCTGTAACACGCACCTGATA
AGCTGCGAAAACCATGCCCAACAAGGAGAAAGAGTGCCAGCCCCGTTTGCCTTCAGGC
ACGTGCTGAAGCTGACCAACAACCTCAACCAAGTTTACAGCCGAGGTGGGAAGCAGCTGA
TTTCCGAAAACCTGGATGCACCCGAGGGTGGGCTGGACGCCATGATGCAGGTCCGCCCT
GCCCGGAGGAAATCGGCTGGCGCAACGTACCGCGCTGCTGGTGTGGCCACTGATGACG
GCTTCCATTTCCGGGGCAGCGGAAGCTGGGCGCCATCCTGACCCCAACGACGGCCGCT
GTCACCTGGAGGACAACCTGTACAAGAGGAGCAACGAATTCGACTACCCATCGGTGGGCC
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ATGTCCCGATCACCTTCCAGGTGAAGGTACGGCCACAGAGTGCATCCAGGAGCAGCTGT
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CGGGCTTTGAGGGCTCAGCGTCCAGTGCAGAGGAGCCACTGAGGGCTGCCTGAACCCGC
GGCGTGTGAGTGTAGTGGTCTGGCCGGTGGCCGTGCAACGTATGCGAGTGCCATTCAG
GCTACCAGCTGCCTCTGTGCCAGGAGTGCCCGGCTGCCCTCACCTGTGGCAAGTACA
TCTCCTGCGCCGAGTGCCTGAAGTTCGAAAAGGGCCCCTTTGGGAAGAACTGCAGCGCGG
CGTGTCCGGGCTGCAGCTGTGCAACAACCCCGTGAAGGGCAGGACCTGCAAGGAGAGGG
ACTCAGAGGGCTGCTGGGTGGCTACACGCTGGAGCAGCAGGACGGATGGACCGCTACC
TCATCTATGTGGATGAGAGCCGAGAGTGTGTGGCAGGCCCAACATCGCCGCCATCGTCG
GGGACCCGTGGCAGGCATCGTGTGATCGGCATCTCCTGCTGGTTCATCTGGAAGGCTC
TGATCCACCTGAGCGACCTCCGGGAGTACAGGCGCTTTGAGAAGGAGAAGCTCAAGTCCC
AGTGGAACAATGATAATCCCCTTTTCAAGAGCGCCACCACGACGGTTCATGAACCCCAAGT
TTGCTGAGAGTTAGGAGCACTTGGTGAAGACAAGGCCGTGAGGACCCACCATGTCTGCC
CATCACGCGGCCGAGACATGGCTTGCCACAGCTCTTGAGGATGTCACCAATTAACCAGAA
ATCCAGTTATTTTCCACCCTCAAAATGACAGCCATGGCCGGCCGGGTGCTTCTGGGGCT
CGTCGGGGGACAGCTCCACTCTGACTGGCACAGTCTTTGCATGGAGACTTGAGGAGGGA
GGGCTTGAGGTTGGTGGGTTAGGTGCGTGTTCCTGTGCAAGTCAGGACATCAGTCTGA
TTAAAGGTGGTGCCAATTTATTTACATTTAAACTTGTGAGGATATAAAATGACATCCAT
TAATTATATTGTTAATCAATCACGTGTATAGAAAAAAAATAAAACTTCAATACAGGCTGT
CCATGGAAAAAATAAAAAAAAAAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_000211

Insert Size:	2310 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:	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_000211.2 , NP_000202.2
RefSeq Size:	2887 bp
RefSeq ORF:	2310 bp
Locus ID:	3689
UniProt ID:	P05107
Cytogenetics:	21q22.3
Domains:	INB
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Regulation of actin cytoskeleton, Viral myocarditis
Gene Summary:	<p>This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform (1).</p>