

## Product datasheet for **SC120057**

### CD61 (ITGB3) (NM\_000212) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD61 (ITGB3) (NM_000212) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD61
Synonyms:	BDPLT2; BDPLT16; BDPLT24; CD61; GP3A; GPIIIa; GT; GT2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC120057 sequence for NM\_000212 edited (data generated by NextGen Sequencing)

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ATGCGAGCGCGGCCGCGGCCCGCCGCTCTGGGCGACTGTGCTGGCGCTGGGGCGCTG
GCGGGCGTTGGCGTAGGAGGGCCCAACATCTGTACCACGCGAGGTGTGAGCTCCTGCCAG
CAGTGCCTGGCTGTGAGCCCCATGTGTGCCTGGTGTCTGATGAGGCCCTGCCTCTGGGC
TCACCTCGCTGTGACCTGAAGGAGAATCTGCTGAAGATAACTGTGCCCCAGAATCCATC
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Clone variation with respect to NM\_000212.2  
1645 t=>c

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_000212 unedited  NNAAGTTAGGATTTGTATACCATCATATAGGCGGCGCGCAATTCGCACGAGCGGAGCGC  CGCGGGAGGCGGACGAAATGCGAGCGCGGGGGCGCCCNNGGCGCTCTGGGCGACTGTGC  TGGCGCTGGGGGCGCTGGCGGGCGTTGGCGTANGAGGGGCAACATCTGTGCCACGCGAG  GTGTGAGCTCCTGCGAGCAGTGCCTGGCTGTGAGCCCCATGTGTGCCTGGTGCTCTGAGG  AGGCCCTGCGCTCTGGGCTCACCTCGCTGTGACCTGAANGAGAATCTGCGGAAGGAGAAC  TGTGCCCCAGAATCCATCGAGTTCACAGTGAGTGAGGCGCGAGTACTAGAGGACAGGGCC  CTCAGCGACAAGGGCTCTGGAGACAGCTCCCAGGTGCACTCAAGTCAGTCCCAGAGGAT  TGCACTCCGGCTCCGGGAGATGATTCTGAAGAATTTCTCCATCCAAGTGCGGCAGGTGGA  GGAGTACCCTGTGGACATCTACTACTTGAGGGAGCTGGCTTACTCCATGAGGGAGGATCT  GTGGAGCATCCAGAACCTGGGTACCAAGCTGGCCACCCAGATGCGAAAGCTCACCAGTAA  CCTGCGGATTGGCTTCNGGGCATTGTGGACAAGCCTGTGTGACCATACATGTATATCTC  CCCACCAGAGGCGCTCGAAAACCCCTGGTATGATATGAAGACCACCTGCGTGCCCATGTT  TGGCTACAAAACAGTGTGACGCTAACTGAGCANGTGAGCCGCTCAATGAGGAAGTGAA  AAAGCANAGTGTGTACGGAACCGAGATGCGCCANAGGGTGGCGTTGATGCCATCATGCA  GGCTACAGTCTGTGATGAAAAAATTGGCTGGAGGAATGAGCATCCCCTGCTGGTGTGT  ACACTGATGCCA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_000212 unedited  AGTNCCCACACACAACACCACACACATAAACACACAGNACCCTCCCATACACACACACAG  NACCCACACTTCCACATACTGACATTCTCCCACTACCCCACTCTGAGCCCCAAATCCC  TCCCCACAATACTGTCTCTGTAAACATGATGGCAGGGACTCCTGCAATCGTGGCACAG  GCTGATAATGATCTTAGTATGACTGCTTATCATTAAAGTGCCCGGTACGTGATATTGGTG  AAGGTAGACGTGGCCTCTTTATACAGTGGGTTGTTGGCTGTGTCCATTTTGTCTGTGGC  CGTTCTTCTCAAATTTAGCGAATTTCTTTTCGGTTCGTGGATGGTGTGAGGAGTTTCCAG  ATGAGCAGGGCGGCAAGGCCAATGAGCAGAATGGCCCCCATCACTGAGAGCAGGACCACC  AGGATGTCAGGGCCCTTGGGACACTCTGGCTCTTCTACCACATACAGGATGGACTTTCCA  CTAGAATCTTATAGTACTGGAATCTGACGACACAGTCACTCCTCATTCTTATAGGTACAA  TTCAGTGCATCCTTGGCAGTGCCTTAAGCTCTTCTACTGACTCAATCTCGTCACGGCAG  TAACGGTTGCAGGTATTTTCGTATGTAGGGCTCCCCGGTCAAACCTTCTTACACTCCACA  CATTCTTTCTTAAAGGTGCAGGCATCTGGGCAGGTGGNGCACTTCTCACAGGTGTCCCA  TAGGAGCCCGGCTGGATACAGACACAGCTGCCACATTCACACTTGCCCGGCGCGTGCAC  AGCAGCCCATGCTGGACATGCAGGTGTGAGTACGCGTGGTACAGTTGCAGTAGTAGCCC  G</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_000212
<b>Insert Size:</b>	2900 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000212.2</a> , <a href="#">NP_000203.2</a>
<b>RefSeq Size:</b>	4894 bp
<b>RefSeq ORF:</b>	2367 bp
<b>Locus ID:</b>	3690
<b>UniProt ID:</b>	<a href="#">P05106</a>
<b>Cytogenetics:</b>	17q21.32
<b>Domains:</b>	INB, EGF
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton
<b>Gene Summary:</b>	The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. [provided by RefSeq, Jul 2008]