

## Product datasheet for **SC331663**

### CD162 (SELPLG) (NM\_001206609) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD162 (SELPLG) (NM\_001206609) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CD162  
**Synonyms:** CD162; CLA; PSGL-1; PSGL1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331663 representing NM\_001206609.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCAGTGGGGCCAGTGGTCTAGAAGGAGATAAGATGGCTGGTGCCATGCCTCTGCAACTCCTCCTG
TTGCTGATCCTACTGGGCCCTGGCAACAGCTTGCAGCTGTGGACACCTGGCAGATGAAGCCGAGAAA
GCCTTGGGTCCCCTGCTTGCCCGGGACCCGGAGACAGGCCACCGAATATGAGTACCTAGATTATGATTTT
CTGCCAGAAACGGAGCCTCCAGAAATGCTGAGGAACAGCACTGACACCACTCCTCTGACTGGGCCTGGA
ACCCCTGAGTCTACCACTGTGGAGCCTGTGCAAGGCGTTCTACTGGCCTGGATGCAGGAGGGGCAGTC
ACAGAGCTGACCACGGAGCTGGCCAACATGGGGAACCTGTCCACGGATTACAGCAGCTATGGAGATACAG
ACCACTCAACCAGCAGCCACGGAGGCACAGACCACTCAACCAGTGCCACGGAGGCACAGACCACTCCA
CTGGCAGCCACAGAGGCACAGACAACTCGACTGACGGCCACGGAGGCACAGACCACTCCACTGGCAGCC
ACAGAGGCACAGACCACTCCACCAGCAGCCACGGAAGCACAGACCACTCAACCCACAGGCCTGGAGGCA
CAGACCACTGCACCAGCAGCCATGGAGGCACAGACCACTGCACCAGCAGCCATGGAAGCACAGACCACT
CCACCAGCAGCCATGGAGGCACAGACCACTCAAACCACAGCCATGGAGGCACAGACCACTGCACCAGAA
GCCACGGAGGCACAGACCACTCAAACCACAGCCACGGAGGCACAGACCACTCCACTGGCAGCCATGGAG
GCCCTGTCCACAGAACCAGTGCACAGAGGCCCTGTCCATGGAACCTACTACAAAAGAGGTCTGTTC
ATACCCTTTTCTGTGTCCTCTGTTACTACAAGGCAATCCCATGGCAGCCAGCAATTTGTCGTCAC
TACCCAGTGGGGGCCCCAGACCACATCTGTGAAGCAGTGCCTGCTGGCCATCCTAATCTTGCGCCTG
GTGGCCACTATCTTCTCGTGTGCACTGTGGTGTGGCGTCCGCCTCTCCCGCAAGGGCCACATGTAC
CCCGTGCATAATTACTCCCCACCAGATGGTCTGCATCTCATCCCTGTTGCCTGATGGGGGTGAGGGG
CCCTCTGCCACAGCCAATGGGGCCTGTCCAAGGCCAAGAGCCCGGCCTGACGCCAGAGCCAGGGAG
GACCGTGAGGGGATGACCTCACCTGCACAGCTTCTCCCTTAG
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001206609  
**Insert Size:** 1287 bp



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<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_001206609.1</a>
<b>RefSeq Size:</b>	2638 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	6404
<b>UniProt ID:</b>	<a href="#">Q14242</a>
<b>Cytogenetics:</b>	12q24.11
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)
<b>MW:</b>	44.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes a glycoprotein that functions as a high affinity counter-receptor for the cell adhesion molecules P-, E- and L- selectin expressed on myeloid cells and stimulated T lymphocytes. As such, this protein plays a critical role in leukocyte trafficking during inflammation by tethering of leukocytes to activated platelets or endothelia expressing selectins. This protein requires two post-translational modifications, tyrosine sulfation and the addition of the sialyl Lewis x tetrasaccharide (sLex) to its O-linked glycans, for its high-affinity binding activity. Aberrant expression of this gene and polymorphisms in this gene are associated with defects in the innate and adaptive immune response. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>