

## Product datasheet for **SC118237**

### CD162 (SELPLG) (NM\_003006) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD162 (SELPLG) (NM_003006) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD162
Synonyms:	CD162; CLA; PSGL-1; PSGL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003006, the custom clone sequence may differ by one or more nucleotides

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ATGCCTCTGCAACTCCTCCTGTTGCTGATCCTACTGGGCCCTGGCAACAGCTTGCAGCTGTGGGACACCT
GGGCAGATGAAGCCGAGAAAGCCTTGGGTCCCCTGCTTGCCGGGACCGGAGACAGGCCACCGAATATGA
GTACCTAGATTATGATTTCTGCCAGAAACGGAGCCTCCAGAAATGCTGAGGAACAGCACTGACACCACT
CCTCTGACTGGGCTGGAACCCCTGAGTCTACCACTGTGGAGCCTGTGCAAGGCGTTCTACTGGCCTGG
ATGCAGGAGGGGAGTCACAGAGCTGACCACGGAGCTGGCCAACATGGGGAACCTGTCCACGGATTACAG
AGCTATGGAGATACAGACCACTCAACCAGCAGCCACGGAGGCACAGACCACTCAACCAGTGCCACGGAG
GCACAGACCACTCCACTGGCAGCCACAGAGGCACAGACAACCTCGACTGACGGCCACGGAGGCACAGACCA
CTCCACTGGCAGCCACAGAGGCACAGACCACTCCACCAGCAGCCACGGAAGCACAGACCACTCAACCCAC
AGGCCTGGAGGCACAGACCACTGCACCAGCAGCCATGGAGGCACAGACCACTGCACCAGCAGCCATGGAA
GCACAGACCACTCCACCAGCAGCCATGGAGGCACAGACCACTCAAACCACAGCCATGGAGGCACAGACCA
CTGCACCAGAAGCCACGGAGGCACAGACCACTCAACCCACAGCCACGGAGGCACAGACCACTCCACTGGC
AGCCATGGAGGCCCTGTCCACAGAACCAGTGCCACAGAGGCCCTGTCCATGGAACCTACTACAAAAGA
GGTCTGTTACATACCCTTTCTGTGTCCTCTGTTACTCACAGGGCATTCCCATGGCAGCCAGCAATTTGT
CCGTCACCTACCCAGTGGGGGCCCCAGACCACATCTCTGTGAAGCAGTGCCTGCTGGCCATCCTAATCTT
GGCGTGGTGGCCACTATCTTCTCGTGTGCACTGTGGTGTGGCGGTCGCCCTCTCCGCAAGGGCCAC
ATGTACCCGTGCGTAATTACTCCCCACGAGATGGTCTGCATCTCATCCCTGTTGCCTGATGGGGGTG
AGGGGCCCTCTGCCACAGCCAATGGGGGCTGTCCAAGGCCAAGAGCCCGGGCCTGACGCCAGAGCCAG
GGAGGACCGTGAGGGGATGACCTCACCTGCACAGCTTCTCCCTTAG

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_003006 unedited GCGTCAGGATTTGTAATCACGACTTACTATAGGGNCCGGCCGCGCAATTCGGCACCGAGG GGACCTTGTCACTAAAGCAGAGAAGCCACTTCTTCTGGGCCACGAGGCAGCTGTCCCAT GCTCTGCTGAGCACGGTGGTGCCATGCCTCTGCAACTCCTCTGTTGCTGATCCTACTGG GCCCTGGCAACAGCTTGCAGCTGTGGGACACCTGGGCAGATGATATCCGAGAAAGCCTTG GGTCCCCTGCTTGCCCGGACCGGAGACAGGCCACCGAATATGAGTACCTAGATTATGAT TTCTTGCCAGAAACGGAGCCTCCAGAAATGCTGAGGAACAGCACTGACACCACTCCTCTG ACTGGGCTGGAACCCCTGAGTCTACCCTGTGGAGCCTGCTGCAAGGCGTTCTACTGGC CTGGATGCAGGAGGGCAGTACAGAGCTGACCACGGAGCTGGCCAACATGGGGAACCTG TCCACGGATTTCAGCAGCTATGGAGATACAGACCACTCAACCAGCAGCCACGGAGGCACAG ACCACTCAACCAGTGCCACGGAGGCACAGACCACTCCACTGGCAGCCACAGAGGCACAG ACAACCTGACTGACGGCCACGGAGGCACAGACCACTCCACTGGCAGCCACAGAGGCACAG ACCACTCCACCAGCAGCCACGGAAGCACAGACCACTCAACCCACAGGCCTGGAGGCACAG ACCACTGCACCAGCAGCCATGGAGGCACAGACCACTGCACCAGCAGCCATGGAAGCACAG ACCACTCCACCAGCAGCCATGGAGGCACAGACCACTCAACCCACAGCCATGGAGGCACAG ACCACTGCACCAGAAGCCACCGAGGCACAGACCACTCAACCCACAGCCACGGAGGCACGA CCTACTCCACTGGCAGCCATGGAGGCCCTGTCCACAGACCCA
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003006 unedited ACCGAAAGCCGCNTTCGATAGTCGAGTTTTTTTTCTTTTTTTTTTGTCCATCACATATTTA TTGCTGCACTGGACCTGCAGTTGGGATACTGCAGTGAACAAGACAGAGTCCACCCTGGA AAGTGGCCACAGGGGAAGCAAGAGGCGATAGCTGGGGTCACTTGTCACTAGATGGAAG CTCCTTGGTCCACACAGTCCCAAAGAAAGTCTTTCTTGGGCCACGAAACCCATCCCA GCCCTCACAGGCTGAACCTCACCTGGGTTTTCCAGAGAGGTGCCAAGAAGACCCAAG CTGCCCAAGTCAGAGGAGCAGCAGGAAACAGCCTCAGAAGTCCGTCACCTTTCAGTACT CCTCCCTTAGAATGTCCACTTCTGTTTGGTGACCATGGCAACAAAAGACAATGGCAGT GCAGTGCCTGTGGGATGGGGGAGCTCCATCTTTCTTGGGTACATGGGGAGGAGACTCCAG TGACCAGGAGAAGCGGGGAGAGCCATGGGAGATGTTACAGGGACCCAGAGAAGATGGGGG ACAGGAAAAAGGAGAGAATTTGCCTCAAGTAAACGGCCTACTGCCTTGGACCTCGGATGA AACGTGGCTGGGCTTTCATCCGCGGAGGGAGGAAAGAGTGGCTCCACTTGCCCGCCGCT TGCCCCAAAGCTGCTCTTGACCCGTTTGGGTGGCCACAGGTTCTACCCTGAAAATCCCAT CCCCAGGGGCTCCGAGCAACCCACAGCCGCGAATGTGGACCCGGGCACTCAGGGGTGG CCCAGGAGAGCCGTTGTAAGTGGGGCCCTTGCCACAACAATGGCTTAGCGAGCTAAAGG CAGGAACTGTGGCAGGCGGAGGCCATATCCTCTCCGGGATCTCCTTGGGCTCTGGNGA CAAGCCCTCGGCTTTTTGGCACTTGGGAAAGGCCACCCTATTGCCTGTAG
<b>Restriction Sites:</b>	ECORI-NOT
<b>ACCN:</b>	NM_003006
<b>Insert Size:</b>	2170 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).

**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\\_003006.3](#), [NP\\_002997.1](#)

**RefSeq Size:** 2550 bp

**RefSeq ORF:** 1209 bp

**Locus ID:** 6404

**UniProt ID:** [Q14242](#)

**Cytogenetics:** 12q24.11

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs)

**Gene Summary:** 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]  
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.