

Product datasheet for **SC324184**

CD162 (SELPLG) (NM_003006) Human Untagged Clone

Product data:

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| 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: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_003006.3
 CTCGGATCCGGGACTGCCGACAGGGGGTCCACAGCAGTGCCTGGCAGCGTGGGCTGGGAC
 CTTGTCTACTAAAGCAGAGAAGCCACTTCTTCTGGGCCACGAGGCAGCTGTCCCATGCTC
 TGCTGAGCAGCGTGGTGCCTCTGCAACTCCTCCTGTTGCTGATCCTACTGGGCC
 TGGCAACAGCTTGCAGCTGTGGGACACCTGGGCAGATGAAGCCGAGAAAGCCTTGGGTCC
 CCTGCTTGCCCGGACCGGAGACAGGCCACCGAATATGAGTACCTAGATTATGATTTCT
 GCCAGAAACCGAGCCTCCAGAAATGCTGAGGAACAGCACTGACACCACTCCTCTGACTGG
 GCCTGGAACCCCTGAGTCTACCCTGTGGAGCCTGCTGCAAGGCGTTCTACTGGCCTGGA
 TGCAAGGAGGGCAGTACAGAGCTGACCACGGAGCTGGCCAACATGGGGAACCTGTCCAC
 GGATTCAGCAGCTATGGAGATACAGACCACTCAACCAGCAGCCACGGAGGCACAGACCAC
 TCCACTGGCAGCCACAGAGGCACAGACAACTCGACTGACGGCCACGGAGGCACAGACCAC
 TCCACTGGCAGCCACAGAGGCACAGACCACTCCACCAGCAGCCACGGAAGCACAGACCAC
 TCAACCCACAGGCCTGGAGGCACAGACCACTGCACCAGCAGCCATGGAGGCACAGACCAC
 TGCACCAGCAGCCATGGAAGCACAGACCACTCCACCAGCAGCCATGGAGGCACAGACCAC
 TCAAACCCACAGCCATGGAGGCACAGACCACTGCACCAGAAAGCCACGGAGGCACAGACCAC
 TCAAACCCACAGCCACGGAGGCACAGACCACTCCACTGGCAGCCATGGAGGCCCTGTCCAC
 AGAACCCAGTGCCACAGAGGCCCTGTCCATGGAACCTACTACAAAAGAGGTCTGTTTCAT
 ACCCTTTTCTGTGCTCTGTACTCACAGGGCATTCCCATGGCAGCCAGCAATTTGTC
 CGTCAACTACCCAGTGGGGGCCCCAGACCACATCTCTGTGAAGCAGTGCCTGCTGGCCAT
 CCTAATCTTGGGCTGGTGGCCACTATCTTCTCGTGTGCACTGTGGTGTGGCGGTCCG
 CCTCTCCCGCAAGGGCCACATGTACCCCGTGCCTAATTACTCCCCACCGAGATGGTCTG
 CATCTCATCCCTGTTGCCTGATGGGGGTGAGGGGCCCTCTGCCACAGCCAATGGGGCCT
 GTCCAAGGCCAAGAGCCCGGGCCTGACGCCAGAGCCAGGGAGGACCGTGAGGGGGATGA
 CCTCACCTGCACAGCTTCCCTCCCTTAGCTCACTCTGCCATCTGTTTTGGCAAGACCCCA
 CCTCCACGGGCTCTCTGGGCCACCCCTGAGTGCCAGACCCATTCCACAGCTCTGGGC
 TTCCTCGGAGACCCCTGGGGATGGGGATCTTCAGGGAAGGAACTCTGGCCACCCAAACAG
 GACAAGAGCAGCCTGGGGCAAGCAGACGGGCAAGTGGAGCCACCTTTTCTCCCTCCG
 CGGATGAAGCCCAGCCACATTTAGCCGAGGTCCAAGGCAGGAGGCCATTTACTTGAGAC
 AGATTCTCTCTTTTCTGTCCCCATCTTCTCTGGGTCCCTAACATCTCCCATGGC
 TCTCCCCGTTTCTCTGGTCACTGGAGTCTCTCCCCATGTACCCAAGGAAGATGGAGCT
 CCCCCATCCACACGCACTGCCTGCCATTGTCTTTTGGTTGCCATGGTCACCAAACAGG
 AAGTGGACATTCTAAGGGAGGAGTACTGAAGAGTGACGGACTTCTGAGGCTGTTTCTGCT
 TGCTCCTCTGACTTGGGGCAGCTTGGGTCTTCTTGGGCACCTCTCTGGGAAAACCCAGGG
 TGAGGTTACAGCCTGTGAGGGCTGGGATGGGTTTCGTGGGCCAAAGGGCAGACCTTTCTTT
 GGGACTGTGTGGACCAAGGAGCTTCCATCTAGTGACAAGTACCCCCAGCTATCGCCTCT
 TGCTTCCCCTGTGGCCACTTTCCAGGGTGGACTCTGTCTTGTTCAGTGCAGTATCCCAA
 CTGCAGGTCCAGTGCAGGCAATAAATATGTGATGGACAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_003006

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.

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| 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_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: | <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 (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.</p> |