

## Product datasheet for **RC206507**

### CD162 (SELPLG) (NM\_003006) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD162 (SELPLG) (NM_003006) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SELPLG
Synonyms:	CD162; CLA; PSGL-1; PSGL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC206507 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCTCTGCAACTCCTCTGTTGCTGATCCTACTGGGCCCTGGCAACAGCTTGCAGCTGTGGGACACCT  
GGGCAGATGAAGCCGAGAAAGCCTTGGTCCCCTGCTTGGCCGGGACCGGAGACAGGCCACCGAATATGA  
GTACCTAGATTATGATTTCTGCCAGAAACGGAGCCTCCAGAAATGCTGAGGAACAGCACTGACACCACT  
CCTCTGACTGGGCTGGAACCCCTGAGTCTACCACTGTGGAGCCTGCTGCAAGGGCTTCTACTGGCCTGG  
ATGCAGGAGGGGAGTCACAGAGCTGACCACGGAGCTGGCCAACATGGGGAACCTGTCCACGGATTACAGC  
AGCTATGGAGATACAGACCACTCAACCAGCAGCCACGGAGGCACAGACCACTCCACTGGCAGCCACAGAG  
GCACAGACAACCTCGACTGACGGCCACGGAGGCACAGACCACTCCACTGGCAGCCACAGAGGCACAGACCA  
CTCCACCAGCAGCCACGGAAGCACAGACCACTCAACCCACAGGCCTGGAGGCACAGACCACTGCACCAGC  
AGCCATGGAGGCACAGACCACTGCACCAGCAGCCATGGAAGCACAGACCACTCCACCAGCAGCCATGGAG  
GCACAGACCACTCAAACCACAGCCATGGAGGCACAGACCACTGCACCAGAAGCCACGGAGGCACAGACCA  
CTCAACCCACAGCCACGGAGGCACAGACCACTCCACTGGCAGCCATGGAGGCCCTGTCCACAGAACCCAG  
TGCCACAGAGGCCCTGTCCATGGAACCTACTACCAAAAAGAGGTCTGTTACATACCCTTTTCTGTGTCTCT  
GTTACTACAAGGGCATTCCCATGGCAGCCAGCAATTTGTCCGTAACCTACCCAGTGGGGGCCCCAGACC  
ACATCTCTGTGAAGCAGTGCCTGCTGGCCATCCTAATCTTGGCGTGGTGGCCACTATCTTCTTCTGTG  
CACTGTGGTGTGGCGTCCGCCTCTCCCGCAAGGGCCACATGTACCCCGTGCCTAATTACTCCCCACC  
GAGATGGTCTGCATCTCATCCCTGTTGCCTGATGGGGGTGAGGGGCCCTCTGCCACAGCAATGGGGGCC  
TGTCGAAGGCCAAGAGCCCGGCCCTGACGCCAGAGCCAGGGAGGACCGTGGGGGGATGACCTCACCT  
GCACAGCTTCTCCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC206507 protein sequence  
 Red=Cloning site Green=Tags(s)

MPLQLLLLLILLGPGNSLQLWDTWADEAEKALGPLLARDRRQATEYEYLDYDFLPETEPPEMLRNSTDTT  
 PLTGPPTPESTTVEPAARRSTGLDAGGAVTELTTELANMGNLSTDSAAMEIOTTQPAATEAQTTPLAATE  
 AQTTRLTATEAQTTPLAATEAQTTPPAATEAQTTPGLEAQTTPAAMEAQTTPAAMEAQTTPPAAME  
 AQTQTAMEAQTTPAATEAQTTPAATEAQTTPAATEAQTTPAAMEALSTEPSATEALSMEPTTKRGLFIPFSVSS  
 VTHKGIPMAASNLVSNYPVGGAPDHSVKQCLLAILLALVATIFFVCTVVLAVRLSRKGHMYPVRNYSPT  
 EMVCISLLPDGGEGPSATANGGLSKAKSPGLTPEPREDREGDDLTLHSFLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

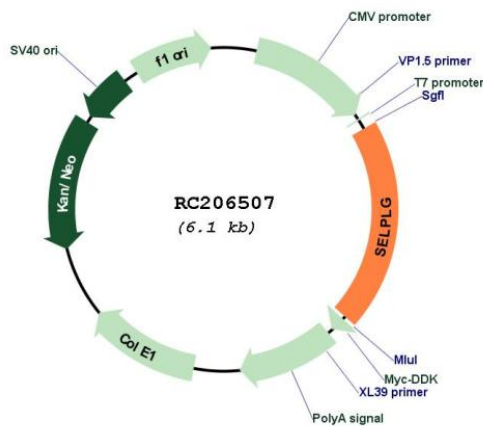
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6231\\_h01.zip](https://cdn.origene.com/chromatograms/mk6231_h01.zip)

**Restriction Sites:** SgfI-MluI

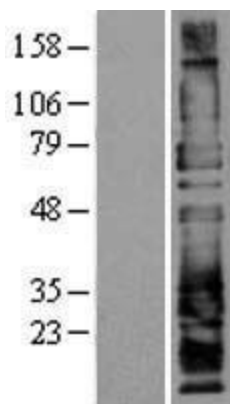
**Cloning Scheme:**



**Plasmid Map:**



ACCN:	NM_003006
ORF Size:	1206 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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"><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>
RefSeq:	<a href="#">NM_003006.3</a> , <a href="#">NP_002997.1</a>
RefSeq Size:	2573 bp
RefSeq ORF:	1239 bp
Locus ID:	6404
UniProt ID:	<a href="#">Q14242</a>
Cytogenetics:	12q24.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	42.1 kDa
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]

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY418961]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206507 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).