OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC118236

CD62P (SELP) (NM_003005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD62P (SELP) (NM_003005) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD62P
Synonyms:	CD62; CD62P; GMP140; GRMP; LECAM3; PADGEM; PSEL
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_003005, the custom clone sequence may differ by one or more nucleotides

ATGGCCAACTGCCAAATAGCCATCTTGTACCAGAGATTCCAGAGAGTGGTCTTTGGAATTTCCCAACTCC
TTTGCTTCAGTGCCCTGATCTCTGAACTAACAAACCAGAAAGAAGTGGCAGCATGGACTTATCATTACAG
CACAAAAGCATACTCATGGAATATTTCCCGTAAATACTGCCAGAATCGCTACACAGACTTAGTGGCCATC
CAGAATAAAAATGAAATTGATTACCTCAATAAGGTCCTACCCTACTACAGCTCCTACTACTGGATTGGGA
TCCGAAAGAACAATAAGACATGGACATGGGTGGGAACCAAAAAGGCTCTCACCAACGAGGCTGAGAACTG
GGCTGATAATGAACCTAACAACAAAAGGAACAACGAGGACTGCGTGGAGATATACATCAAGAGTCCGTCA
GCCCCTGGCAAGTGGAATGATGAGCACTGCTTGAAGAAAAAGCACGCATTGTGTTACACAGCCTCCTGCC
AGGACATGTCCTGCAGCAAACAAGGAGAGTGCCTCGAGACCATCGGGAACTACACCTGCTCCTGTTACCC
TGGATTCTATGGGCCAGAATGTGAATACGTGAGAGAGTGTGGAGAACTTGAGCTCCCTCAACACGTGCTC
ATGAACTGCAGCCACCCTCTGGGAAACTTCTCTTTTAACTCGCAGTGCAGCTTCCACTGCACTGACGGGT
ACCAAGTAAATGGGCCCAGCAAGCTGGAATGCTTGGCTTCTGGAATCTGGACAAATAAGCCTCCACAGTG
TTTAGCTGCCCAGTGCCCACCCCTGAAGATTCCTGAACGAGGAAACATGACCTGCCTTCATTCTGCAAAA
GCATTCCAGCATCAGTCTAGCTGCAGCTTCAGTTGTGAAGAGGGATTTGCATTAGTTGGACCGGAAGTGG
TGCAATGCACAGCCTCGGGGGTATGGACAGCCCCAGCCCCAGTGTGTAAAGCTGTGCAGTGTCAGCACCT
GGAAGCCCCCAGTGAAGGAACCATGGACTGTGTTCATCCGCTCACTGCTTTTGCCTATGGCTCCAGCTGT
AAATTTGAGTGCCAGCCCGGCTACAGAGTGAGGGGCTTGGACATGCTCCGCTGCATTGACTCTGGACACT
GGTCTGCACCCTTGCCAACCTGTGAGGCTATTTCGTGTGAGCCGCTGGAGAGTCCTGTCCACGGAAGCAT
GGATTGCTCTCCATCCTTGAGAGCGTTTCAGTATGACACCAACTGTAGCTTCCGCTGTGCTGAAGGTTTC
ATGCTGAGAGGAGCCGATATAGTTCGGTGTGATAACTTGGGACAGTGGACAGCACCAGCCCCAGTCTGTC
AAGCTTTGCAGTGCCAGGATCTCCCAGTTCCAAATGAGGCCCGGGTGAACTGCTCCCACCCCTTCGGTGC
CTTTAGGTACCAGTCAGTCTGCAGCTTCACCTGCAATGAAGGCTTGCTCCTGGTGGGAGCAAGTGTGCTA
CAGTGCTTGGCTACTGGAAACTGGAATTCTGTTCCTCCAGAATGCCAAGCCATTCCCTGCACACCTTTGC
TAAGCCCTCAGAATGGAACAATGACCTGTGTTCAACCTCTTGGAAGTTCCAGTTATAAATCCACATGTCA
ATTCATCTGTGACGAGGGATATTCTTTGTCTGGACCAGAAAGATTGGATTGTACTCGATCGGGACGCTGG
ACAGACTCCCCACCAATGTGTGAAGCCATCAAGTGCCCAGAACTCTTTGCCCCAGAGCAGGGCAGCCTGG
ATTGTTCTGACACTCGTGGAGAATTCAATGTTGGCTCCACCTGCCATTTCTCTTGTGACAACGGCTTTAA
GCTGGAGGGGCCCAATAATGTGGAATGCACAACTTCTGGAAGATGGTCAGCTACTCCACCAACCTGCAAA
GGCATAGCATCACTTCCTACTCCAGGGGTGCAATGTCCAGCCCTCACCACTCCTGGGCAGGGAACCATGT
ACTGTAGGCATCATCCGGGAACCTTTGGTTTTAATACCACTTGTTACTTTGGCTGCAACGCTGGATTCAC
ACTCATAGGAGACAGCACTCTCAGCTGCAGACCTTCAGGACAATGGACAGCAGTAACTCCAGCATGCAGA
GCTGTGAAATGCTCAGAACTACATGTTAATAAGCCAATAGCGATGAACTGCTCCAACCTCTGGGGAAACT
TCAGTTATGGATCAATCTGCTCTTTCCATTGTCTAGAGGGCCAGTTACTTAATGGCTCTGCACAAACAGC
ATGCCAAGAGAATGGCCACTGGTCAACTACCGTGCCAACCTGCCAAGCAGGACCATTGACTATCCAGGAA
GCCCTGACTTACTTTGGTGGAGCGGTGGCTTCTACGATAGGTCTGATAATGGGTGGGACGCTCCTGGCTT
TGCTAAGAAAGCGTTTCAGACAAAAAGATGATGGGAAATGCCCCTTGAATCCTCACAGCCACCTAGGAAC
ATATGGAGTTTTTACAAACGCTGCATTTGACCCGAGTCCTTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003005 unedited
GGGGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTCGGCACGAGGGTCACAG
AGGAGATGGCCAACTGCCAAATAGCCATCTTGTACCAGAGATTCCAGAGAGTGGTCTTTG
GAATTTCCCAACTCCTTTGCTTCAGTGCCCTGATCTCTGAACTAACAAACCAGAAAGAAG
TGGCAGCATGGACTTATCATTACAGCACAAAAGCATACTCATGGAATATTTCCCGTAAAT
ACTGCCAGAATCGCTACACAGACTTAGTGGCCATCCAGAATAAAAATGAAATTGATTACC
TCAATAAGGTCCTACCCTACTACAGCTCCTACTACTGGATTGGGATCCGAAAGAACAATA
AGACATGGACATGGGTGGGAACCAAAAAGGCTCTCACCAACGAGGCTGAGAACTGGGCTG
ATAATGAACCTAACAACAAAAGGAACAACGAGGACTGCGTGGAGATATACATCAAGAGTC
CGTCAGCCCCTGGCAAGTGGAATGATGAGCACTGCTTGAAGAAAAAGCACGCATTGTGTT
ACACAGCCTCCTGCCAGGACATGTCCTGCAGCAAACAAGGAGAGTGCCTCGAGACCATCG
GGAACTACACCTGCTCCTGTTACCCTGGATTCTATGGGCCAGAATGTGAATACGTGAGAG
AGTGTGGAGAACTTGAGCTCCCTCAACACGTGCTCATGAACTGCAGCCACCCTCTGGGAA
ACTTCTCTTTTAACTCGCAGTGCAGCTTCCACTGCACTGACGGGTACCAAGTAAATGGGC
CCAGCAAGCTGGAATGCTTGGCTTCTGGGATCTGGACAAATAAGCCCCACAGTGTTTAGC
TGCCCAGTGCCCACCCCTGAAGATTCCCTGACGAGAAAACATGACCTGCCTTCATTCTGC
AAAAGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003005 unedited
CGAGGCCGCAATTTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTGGGGAAAAATCTTTTAAATACCCCTTTGAAAATTGGGCTTTGGGGC
ATTTGAGGGACAAGGACTGGGGGGAAGAAAGGCCACCGGGACCTGGGGGCCTTTAACTTG
AATTTTGGGCCTTTGGAACCCCTGGGGCCCTTCAAAAGAATCTTTGGAAACCCCAAAACA
AAAGGCCAAAAAGGCCCATTAACAGCAACCACTGGAGAATCCAAAAAAAGCTTCAGGAAA
TTCTTTCAATTAAAAAAGCCCCCCGGTTTTCAACAAAAGGGAAAAAACCCTTCTTTAATC
AAAAAATAAAAAGGGATTTTTATTTTTCCACAAGCTGGGCTTTTTGGGAAACAAAAGCTC
CAACCTCTTTGGGTCACCGGGATTTCAAGGAACAGGGGAGTCAAAACACCAAGACCACCG
GAGAAACATTTGCCCCTGGGTTCCGGGGGTTGGGTTACAAGAAAAAAAAAAGCGGGACAC
GAAAGGGGGGGAAGGTCGAAAATTCGAAATGGTCCACCATCCCCAACCTCAGAAAAAGGG
GTGGGTCCCAACGGGCCCACACAGCGGGGCCACAAGTTAATCAAAGGAAACTCCCGTGTT
TGATATAATGGGGGGTAAGGGAACCCGCCGCAAAAGGCCTCTTATGTTAGTCCCCCGGTG
AATGGGAAACCTGGGTGGTCCAAAACAGGACATATTGGTGGGCGGCCGGAGGGACCACCC
CAAAAGGACACGGTTTTTTAAGGGCCCGGGGCAACAGCCCCGCTTTGGAAAAACACCCTA
TGGTCCCAAGCGGCTCGGGGGGAGATAAAGGGGCGTTTCCCACAATTCCTTTGTGTGAGA
AGACTTTTTTAAGAAAGACGGGAGCGTCCCCCCCCTTATTAAACCCTATTGGAAAAGCCC
CCGTCAC

Restriction Sites: NotI-NotI

ACCN: NM_003005

Insert Size: 3200 bp

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).

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:	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_003005.2, NP_002996.1
RefSeq Size:	3199 bp
RefSeq ORF:	2493 bp
Locus ID:	6403
UniProt ID:	P16109
Cytogenetics:	1q24.2
Domains:	CCP, CLECT, EGF
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented. [provided by RefSeq, Jul 2008]