

## Product datasheet for **SC119869**

### CD62E (SELE) (NM\_000450) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD62E (SELE) (NM_000450) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD62E
Synonyms:	CD62E; ELAM; ELAM1; ESEL; LECAM2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119869 sequence for NM\_000450 edited (data generated by NextGen Sequencing)

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ATGATTGCTTCACAGTTTCTCTCAGCTCTCACTTTGGTGCTTCTCATTAAAGAGAGTGGA
GCCTGGTCTTACAACACCTCCACGGAAGCTATGACTTATGATGAGGCCAGTGCTTATTGT
CAGCAAAGGTACACACACCTGGTTGCAATTCAAAACAAAGAAGAGATTGAGTACCTAAAC
TCCATATTGAGCTATTCACCAAGTTATTACTGGATTGGAATCAGAAAAAGTCAACAATGTG
TGGTCTGGGTAGGAACCCAGAAACCTCTGACAGAAGAAGCCAAGAAGCTGGGCTCCAGGT
GAACCCAACAATAGGCAAAAAGATGAGGACTGCGTGGAGATCTACATCAAGAGAGAAAAA
GATGTGGGCATGTGGAATGATGAGAGGTGCAGCAAGAAGAAGCTTGCCCTATGCTACACA
GCTGCCTGTACCAATACATCCTGCAGTGGCCACGGTGAATGTGTAGAGACCATCAATAAT
TACACTTGCAAGTGTGACCCTGGCTTCAGTGGACTCAAGTGTGAGCAAATGTGAACTGT
ACAGCCCTGGAATCCCCTGAGCATGGAAGCCTGGTTTGCAGTCACCCCTGGGAACTTC
AGCTACAATTCTCCTGCTCTATCAGCTGTGATAGGGGTACCTGCCAAGCAGCATGGAG
ACCATGCAGTGTATGTCCTCTGGAGAATGGAGTGTCTCTATTCCAGCCTGCAATGTGGTT
GAGTGTGATGCTGTGACAAATCCAGCCAATGGGTTCTGTGGAATGTTTCCAAAACCTGGA
AGCTTCCCATGGAACACAACCTGTACATTTGACTGTGAAGAAGGATTTGAACTAATGGGA
GCCCAGAGCCTTCAGTGTACCTCATCTGGGAATTGGGACAACGAGAAGCCAACGTGTAAA
GCTGTGACATGCAGGGCCGTCCGCCAGCCTCAGAATGGCTCTGTGAGGTGCAGCCATTCC
CCTGCTGGAGAGTTACCTTCAAATCATCCTGCAACTTCACTGTGAGGAAGGCTTCATG
TTGCAGGGACCAGCCAGGTTGAATGCACCACTCAAGGGCAGTGGACACAGCAAATCCCA
GTTTTGTGAAGCTTCCAGTGCACAGCCTTGTCCAACCCGAGCGAGGCTACATGAATTGT
CTTCTAGTGCTTCTGGCAGTTTCCGTTATGGGTCCAGCTGTGAGTTCTCCTGTGAGCAG
GGTTTTGTGTTGAAGGGATCCAAAAGGCTCCAATGTGGCCACAGGGGAGTGGGACAAC
GAGAAGCCACATGTGAAGCTGTGAGATGCGATGCTGTCCACCAGCCCCGAAGGTTTTG
GTGAGGTGTGCTCATTCCCTATTGGAGAATTCACCTACAAGTCTCTTGTGCCTTCAGC
TGTGAGGAGGGATTTGAATTACATGGATCAACTCAACTTGAGTGCACATCTCAGGGACAA
TGGACAGAAGAGGTTCTTCCCTGCCAAGTGGTAAAATGTTCAAGCCTGGCAGTTCGGGA
AAGATCAACATGAGCTGCAGTGGGGAGCCCGTGTGGCACTGTGTGCAAGTTCGCCTGT
CCTGAAGGATGGACGCTCAATGGCTCTGCAGCTCGGACATGTGGAGCCACAGGACTGG
TCTGGCCTGCTACCTACCTGTGAAGCTCCCACTGAGTCCAACATTCCTTGGTAGCTGGA
CTTCTGCTGCTGGACTCTCCCTCCTGACATTAGCACCATTTCTCCTCTGGCTTCGGAAA
TGCTTACGGAAAGCAAAGAAATTTGTTCCCTGCCAGCAGCTGCCAAAGCCTTGAATCAGAT
GGAAGCTACAAAAGCCTTCTTACATCCTTTAA
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Clone variation with respect to NM\_000450.2

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_000450 unedited            AAAATATTTGTATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAAAAAACTCCT            ATACTGACCTGAGACAGAGGCAGCAGTGATACCCACCTGAGAGATCCTGTGTTTGAACAA            CTGCTTCCAAAACGGAAAGTATTTCAAGCCTAAACCTTTGGGTGAAAAGAACTTTGAA            GTCATGATTGCTTACAGTTTCTCTCAGCTCTCACTTTGGTGCTTCTCATTAAAGAGAGT            GGAGCCTGGTCTTACAACACCTCCACGGAAGCTATGACTTATGATGAGGCCAGTGCTTAT            TGTCAGCAAAGGTACACACACCTGGTTGCAATTCAAAACAAAGAAGAGATTGAGTACCTA            AACTCCATATTGAGCTATTCACCAAGTTATTACTGGATTGGAATCAGAAAAGTCAACAAT            GTGTGGGTCTGGGTAGGAACCCAGAAACCTCTGACAGAAGAAGCCAAGAACTGGGCTCCA            GGTGAACCCAACAATAGGCAAAAAGATGAGGACTGCGTGGAGATCTACATCAAGAGAGAA            AAAGATGTGGGCATGTGGAATGATGAGAGGTGCAGCAAGAAGAAGCTTGCCCTATGCTAC            ACAGCTGCCTGTACCAATACATCCTGCAGTGGCCACGGTGAATGTGTAGAGACCATCAA            TAATTACACTTGAAGTGTGACCCTGGCTTCAGTGGACTCAAGTGTGAGCAAATTTGAA            CTGTACAGCCCTGGAATCCCCTGAGCATGGAACCTGTTTTGCAGTACCCACTGGGAAA            CTTGAGCTACCATTTCTCTGCTCTATCAGCTGTAAAAAGGGGGTTACCTGCCAAGCAG            CATGGAGACCATGCNANNGNATGTCTCTGGAGAAAAAGGGAGTCTCTATTCCACCTG            CCATGGTGGGNGGAGTGGGAATGCTGGGACAAATCCGNCCACGGGGTTTCGGGGAAAAA            GTTACA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_000450 unedited            CTTGGACGCGCCGATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTAAACATAAGCA            CATTATTTGTCAACCTTTATAGTGTATGTCAAATAGGTCTGACATAAGCTTAAATAAAT            ATATACTTTAAAAATTATAAAATATTTAAGTTATAATTTAAAAATCTCAATAAAACTCA            AACACAAACCACACTGGTATTTACACAGCTAATTTCTAATGCAGTTTACATAAATATTT            ACAACACTTAAACAATTTCAAAGAAAAAACAACCTGTATCCATACATAGCCTGATCACAG            TAGTTGTTCTCTCTTATTTCCAGAGTTTTTCTGCCCTTTAAAAGAACCTCTGCTGTTT            TGATCCTTATCACATCTCTGTTTTGACTGTTGGCTTTGTTGTTGCCAGTGTTCAGCCAGA            ACTTCTCTGAAACTTTTTTTTCAACACATGCTAAGTTAATGGAAGTGTAGGAGAGTTTTG            ATTCTCACACTCCTCAAGGCTAGAGCAGCTTTGGCAATTACTGACTGAGAATTTTTTATT            GCCAGTGATCAACTGAAACTGGAGATTCTTTTGAATTTGTTAAATCTGCTTATAAATAA            ACATAAATGCTTGTCTCACACAGGCATTCTCTCTTCCAGAGCACCTAACATACAGAAGA            AAACAAATAGGGAATAACTATTAGACATCTTCATTTCGNTAAAAAATCTACCAGATGACTC            TTTTACATGGTGAGTTTCTATTGTGAAATTAATACTTCCATAATATACAAGAANTATGT            TTACATATCATATCTGACAACATCTTTGTAGAATGCCAACACATCCATCTTCTGTATTCT            TTCCACAAAAACATTATAAATACTTTGNGTGGTTGCATTATGCTTTATTAGTCAAAA            CGTTGGCCTATGGAGTTTCATCGTGAAACACTATTCTGAAAAATCTGACATAACAAACTT            CATCATT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_000450
<b>Insert Size:</b>	4000 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).

<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_000450.1</a> , <a href="#">NP_000441.1</a>
<b>RefSeq Size:</b>	3834 bp
<b>RefSeq ORF:</b>	1833 bp
<b>Locus ID:</b>	6401
<b>UniProt ID:</b>	<a href="#">P16581</a>
<b>Cytogenetics:</b>	1q24.2
<b>Domains:</b>	CCP, CLECT, EGF
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)
<b>Gene Summary:</b>	<p>The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis. [provided by RefSeq, Jul 2008]</p>