# *m*E-Selectin/CD62E VersaClone cDNA

**Catalog Number: RDC0660**

## Specifications:

| | |
|---|---|
| Gene: | *m*SELE |
| Accession: | AAA37547 |
| Insert size: | 1850bp |
| Concentration: | 10µg at 0.2µg/µL |

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

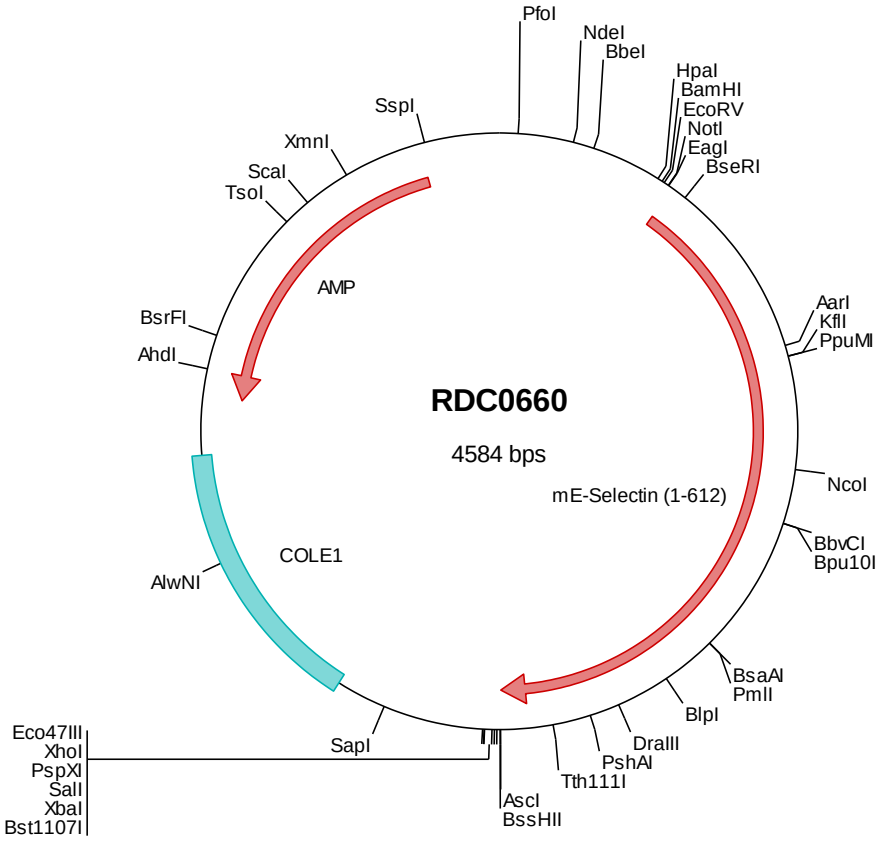
| | |
|---|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5 |
| Shipping | Ships at ambient temperature |
| Stability | 1 year from date of receipt when stored at -20°C to -80°C |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

# *m*E-Selectin/CD62E cDNA Plasmid

**Sele selectin, endothelial cell [ *Mus musculus* (house mouse) ]**

**Also known as:** Elam; CD62E; E-selectin

**Summary:**
E-Selectin is found in cytokine-stimulated endothelial cells. It 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. E-Selectin is a cell-surface glycoprotein having a role in immunoadhesion that may play a role in capillary morphogenesis.




FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

## > RDC0660 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaatgcct cgcgctttct ctctgctctt gtttttgttc tcctcgctgg
 501  agagagcaca gcttggtact acaatgcctc cagtgagctc atgacgtatg atgaagccag tgcatactgt cagcgggact acacacatct ggtggcaatt
 601  cagaacaagg aagagatcaa ctaccttaac tccaatctga aacattcacc gagttactac tggattggaa tcagaaaagt caataacgta tggatctggg
 701  tggggacggg gaagcctctg acagaggaag ctcagaactg ggctccaggt gaaccaaaca acaaacaaag aaatgaggac tgtgtagaga tttacatcca
 801  acgaaccaaa gactcgggca tgtggaatga cgagagatgt aacaaaaaga agctggctct gtgctacaca gcttcgtgta ccaatgcatc ctgcagtggt
 901  catggtgaat gcatagagac catcaatagt tacacctgca agtgccaccc tggcttcctg ggacccaact gtgagcaagc tgtgacttgc aaaccacagg
1001  aacaccctga ctatggaagc ctgaactgct cccacccgtt cggccccttc agctataatt cctcctgctc ctttggctgt aaaaggggct acctgcccag
1101  cagcatggag accaccgtgc ggtgtacgtc ctctggagag tggagtgcgc ctgctccagc ctgccatgtg gttgaatgtg aagctttgac ccaccctgcc
1201  cacggtatca ggaaatgttc ctcaaatcct gggagctacc catggaacac gacatgcacg tttgactgtg tggaagggta caggcgagtt ggagctcaga
1301  atctacagtg tacctcatct ggcatctggg ataacgagac gccatcatgc aaagctgtga cctgtgacgc catccctcag cctcagaatg gctttgtgag
1401  ctgcagccac tcaacagctg gagaacttgc gtttaagtca tcctgtaact tcacctgtga gcagagtttc acgttgcagg ggccagcgca ggttgaatgc
1501  agcgcacaag ggcagtggac accacaaatc ccagtctgca aagctgtcca gtgtgaagcc ttatctgcgc cacagcaggg caacatgaaa tgtcttccca
1601  gtgcttctgg acctttccaa aatgggtcca gttgtgagtt ctcctgcgaa gaaggatttg aactgaaggg atcaagaaga cttcagtgtg gtccaagagg
1701  ggaatgggat agcaagaagc ccacgtgttc agctgtgaaa tgtgatgatg tccctcggcc ccagaatggc gtcatggagt gtgctcatgc tactactgga
1801  gaattcacct acaagtcctc atgtgccttt caatgcaatg agggctttag cttgcatggc tcagctcaac ttgagtgcac atctcaggga aagtggaccc
1901  aggaagtccc ctcctgccaa gtggtacaat gtccaagcct tgacgtcccg ggaaagatga acatgagctg cagcggaaca gcagttttcg gcacagtgtg
2001  tgagtttaca tgtcctgatg attggacact caatggatct gcagttctga cgtgtggtgc cacgggacgc tggtctggga tgccgcctac ctgtgaagcc
2101  ccagtcagcc ccacccgtcc cttggtagtt gcactttctg cggcaggaac ctcactcctg acatcgtcct cattgctcta cttgttgatg agatactttc
2201  ggaagaaagc aaagaaattt gttcctgcta gcagctgcca aagccttcaa tcgtttgaaa actaccatgt gccttcttac aacgtctagg cgcgccagta
2301  tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca
2401  caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttgcgct cactgcccgc
2501  tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc
2601  actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa
2701  agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa
2801  aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg tgcgctctcc tgttccgacc
2901  ctgccgctta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc gctttctcaa tgctcacgct gtaggtatct cagttcggtg taggtcgttc
3001  gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg gtaactatcg tcttgagtcc aacccggtaa gacacgactt
3101  atcgccactg gcagcagcca ctggtaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggt ggcctaacta cggctacact
3201  agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg
3301  gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgatctt ttctacgggg tctgacgctc agtggaacga
3401  aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt ttaaatcaat ctaaagtata
3501  tatgagtaaa cttggtctga cagttaccaa tgcttaatca gtgaggcacc tatctcagcg atctgtctat ttcgttcatc catagttgcc tgactccccg
3601  tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac cgcgagaccc acgctcaccg gctccagatt tatcagcaat
3701  aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaactttat ccgcctccat ccagtctatt aattgttgcc gggaagctag agtaagtagt
3801  tcgccagtta atagtttgcg caacgttgtt gccattgcta caggcatcgt ggtgtcacgc tcgtcgtttg gtatggcttc attcagctcc ggttcccaac
3901  gatcaaggcg agttacatga tcccccatgt tgtgcaaaaa agcggttagc tccttcggtc ctccgatcgt tgtcagaagt aagttggccg cagtgttatc
4001  actcatggtt atggcagcac tgcataattc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact caaccaagtc attctgagaa
4101  tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa tacgggataa taccgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt
4201  cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca ctcgtgcacc caactgatct tcagcatctt ttactttcac
4301  cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac tcatactctt cctttttcaa
4401  tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc
4501  gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata ggcgtatcac gaggcccttt cgtc
```

## > RDC0660 Translated Insert Sequence

```
  1  mnasrflsal vfvllagest awyynassel mtydeasayc qrdythlvai qnkeeinyln snlkhspsyy wigirkvnnv wiwvgtgkpl teeaqnwapg
101  epnnkqrned cveiyiqrtk dsgmwnderc nkkklalcyt asctnascsg hgecietins ytckchpgfl gpnceqavtc kpqehpdygs lncshpfgpf
201  synsscsfgc krgylpssme ttvrctssge wsapapachv vecealthpa hgirkcssnp gsypwnttct fdcvegyrrv gaqnlqctss giwdnetpsc
301  kavtcdaipq pqngfvscsh stagelafks scnftceqsf tlqgpaqvec saqgqwtpqi pvckavqcea lsapqqgnmk clpsasgpfq ngsscefsce
401  egfelkgsrr lqcgprgewd skkptcsavk cddvprpqng vmecahattg eftyksscaf qcnegfslhg saqlectsqg kwtqevpscq vvqcpsldvp
501  gkmnmscsgt avfgtvceft cpddwtlngs avltcgatgr wsgmpptcea pvsptrplvv alsaagtsll tsssllyllm ryfrkkakkf vpasscqslq
601  sfenyhvpsy nv
```