

Specifications:

Gene:	mSelp
Accession:	NP_035477
Insert size:	2320bp
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.

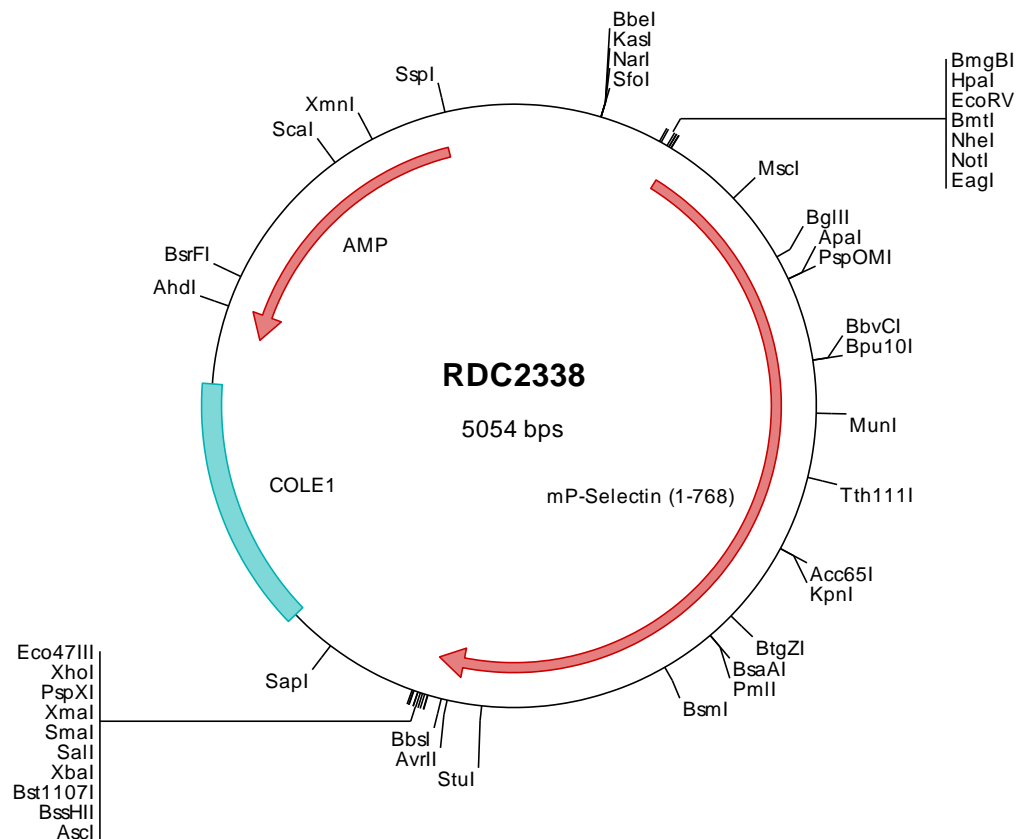
**mP-Selectin/CD62P
cDNA Plasmid**

Selp selectin, platelet [*Mus musculus* (house mouse)]

Also known as: Grmp; CD62P; LECAM3; PADGEM; GMP-140

Summary:

SELP is a member of the Selectin family. It is a cell surface glycoprotein expressed by activated platelets and endothelial cells. It is translocated to the cell surface within minutes, from alpha granules of platelets or Weibel-Palade bodies of endothelial cells, following stimulation with thrombin, histamine, PMA or peroxides. SELP plays a role in the adhesion of leukocytes and neutrophils to the endothelium.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2338 Plasmid DNA Sequence

```

1 tcgcgcgctt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatategc gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgcccagggt ttccccagtc acgacgttgt aaaacgacgg ccagtgtaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atggctggct gcccaaaagg ttccctggacg ccaagactcc ggagttgta
501 cctggggagg gctcaactca tctggttcag tgccttgatc totgagcttg taaatcagaa ggaagtggct gcgtggacct ataactacag cacaaaggca
601 tactcatgga ataactcacg ggtgttctgt aggaggcact tcacagaact agtggccact cagaataaga atgaaatcgc tcacctcaat gacgtcatcc
701 cattttcoaa ctcttactac tggattggta tcocaaagat caacaataag tggacctggg tgggaacaaa taagacactc acggaggagg ctgagaactg
801 ggccgacaac gagcccaaca acaagaagaa caatcaggac tegtgtggaga tctacatcaa gactaaactc gcccttgcca agtggaaatg tgaacctgtt
901 tttaaacgaa agcgggcccct gtgctacaca gcctcctgcc aggacatgct ctcgacgaac caaggggagt gcctcgagac cattggggagc tatacctgct
1001 cctgtcacc aggcttctat gggccagagt gtgaatacgt caaggagtgt caaggagtca ggaataatca acatccctca acatgttctc atgaaactgca gccatccctc
1101 gggggagttc tocttcaact cacagtgcac cttcagctgt gctgagggct acgagctgga cggaccggcg gagctgcaat gtttggcttc tgggatctgg
1201 acaataaac ccgcgaagtg tgaogctgtg caatgtcaga gcttggaaag cctccctcact ggaacctgg cctgtatgca ccaatgtct gcctttgctc
1301 acgactcaag ctgtaaaatt ggatccgacc cttggatatag agcggggggc tccaacaacac tccaactgcac tggctctggt cagtggagtg aacctctgac
1401 aacctgtgaa gctattgctg gtgaaacctcc ggagatccccc atccaatggga gcaatggactg cgtccactct acaggaaacct ttgggtacaa cagcagctgc
1501 acttttctct gtgcagaggg gttogtctgt aaggaaaatg atgccattca gtgtgctgac tccgggagct ggacagcccc agccccattc tgtgaagctg
1601 tcgaaatgccc agagtctccg ttgcccagta aagccactgc gaactgctgc gatcccttgc gtaccttgac gtacctgca gctgagactc tttcctgtga
1701 tgaaggctcgc ctcttctgtg gagcaagtgt gataaagtgc ctgctactgc gactgtgaa tggggctcct cccgaatgct aagctgtgct cgtgccccct
1801 atgctcaagc ctgagaatgg atcctgacc tggctcagc ctcttgggaa ttccacctac aaatccacac cactcactc gccagttcat gtgcgatgaa gggatttate
1901 tatctggacc cggaaactc gatgttctc catctgggaca cctggacacc accctccca cctgtgaaag cgtgtgaaag cctcaagtgt ttgccccaga tgcgcccaag
2001 gcaaggcaac ctggattgct ctcagtcca cggagacttt ggtgttggct ctatctctc ctaactgca ctctcctgc aatgaggact ttgactcaat gggatctgaa
2101 aaagtggaa acacagctgc tggagaatgc cgcaacttc cgccaacttc acatcactc cacttctgta ctttgggtgc aaaaccggat ttacactcag
2201 cgactcctgg acagggcaaca atgtctgccc aacaccacct gggaaagctt ggtccgaaca ccacttctga ctttgggtgc aaaaccggat ttacactcag
2301 gggagccaac togtctcgtc gcagggcttc aggcaaatg acagcagtg cccccatggt ccagagcgtc aaatgctcag aatggacat ggaccagca
2401 ctgcaatga actgttcoaa tccctgggga aactttagct atggataaac ctgaccttc cagtgccca aggggcagtc actgaacggc tctgtgagag
2501 caacctcggc agagagcggc cactgtctcag atgccatgccc aacctgccaa gcaggggacac tgacaatcca ggaagctctg acgtacttgg tgggtgagat
2601 ggctctotaca acagggcctg cagctggggcg gacactcctg gctctgtcaa gaaagctgct cagaaagaaa gatgatggaa aatgccccct gaacctcacc
2701 agccaactag gacaatacgg agtcttcaact aacogctgcat atgacccaac cctcccaagta cggcccagta tactctagag taacaccccg ggaattcctc
2801 cgaagcctgc tctctagctt ggcgtaataca tggctatagc gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca
2901 taaagtgtaa agcctggggt gcctaattgag tgagctaaact cacattaatt gcgcttgcgt cactgcccgc tttccagtcg ggaacctgtc cgtgcccagct
3001 cattaatga atcggccaac gcgcggggag agcggttttg cgtattgggc ttcctcctgc actgactcgc tgcctcggct gcttccgctg
3101 cggcgagcgg tatcagctca ctcaaaaggc gtaatacgggt tatccacaga atcaggggat aacgcaggaa agaactatgt agcaaaaaggc cagcaaaaagg
3201 ccaggaaaccg taaaaaggcc gcgttctgctg cgtttttcca taggctccgc cccccctgacg agcatcaca aaatcgacgc atgactcaga ggttggcgaaa
3301 cccgacaggg ctataaagat accagcgctt tccccctgga tccccctcgc agctccctc cgtcctcctc taggtcgttc gctccaagct gggctgtgtg cacgaacccc
3401 ctcccttctg gaagcgtggc gctttctcaa tgcctcagct gtaggtatct cagttcgggt taggtcgttc gctccaagct gggctgtgtg cacgaacccc
3501 cagttcagcc cgcacccctgc gccttatcgc gtaactatcg tcttgagctc aaeccggtaa gacacgactt atcgccactg gcagcagcca ctggtaaacag
3601 gattagcaga gcgaggtatg taggcggctg taacagagttc ttgaagtgtt ggcttaacta cggctacact agaaggacag tattttgtat ctgctcctc
3701 ctgaagccag ttacctctcg aaaaagagtt ggtagctctt gatccggcaa acaaacacc gctggtagcg gtggttttt tgtttgcaag cagcagatta
3801 cgcgcagaaa aaaagatct caagaagatc cttttagctt ttctacgggg tctgacgctc agtggaaaga aaactcaact taagggattt tggctatgag
3901 attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt taaatcaat ctcaagatata tattagtaaa cttggctgta cagttacca
4001 tgcttaatca gtgaggcacc tatctcagcg atctgtctat ttctgtctat catagttgcc tgactccccg tctgttagat aactacgata cgggagggct
4101 taccatctgc cccagtgct gcaatgatac cgcgagacc acgctcacc gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag
4201 aagtggtcct gcaactttat ccgcctccat ccagctctatt aattgttgcc ggaagctag agtaagtagt tcgcccagtt atagtttgcg caacttggc
4301 gccattgcta caggcatcgt ggtgtcacgc tctgctgtt gtagtggctc attcagctcc ggttcccaac gatcaaggcg agttacatga tccccatgt
4401 tgtgcaaaaa agcggtttag tccttcggtc ctccagctgt tgtcagaagt aagttggccg cagtggtatc actcatggtt atggcagcac tgcataattc
4501 tcttactgtc atgcccctcg taagatgctt ttctgtgact ggtgagtagt caaccaagtc atcttgagaa tagttagtgc ggcgaccgag ttgctcttgc
4601 ccggcgtcaa tacgggataa tacgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaagct cttcggggcg aaaactctca aggatcttac
4701 cgctgttag atccagttcg atgtaaccca ctctgcacc caactgatct tcagcatctt ttactttcac cagcgtttct gggtagcaaa aaacaggaag
4801 gcaaaaatgcc gcaaaaagg gaataaggcc gacacggaaa tgttgaatac tcatactctt ccttttcoaa tattattgaa gcatttatca gggttattgt
4901 ctcagtagcg gatacatatt tgaatgtatt tagaaaaata acaaaatagg ggttccggcg acatttccc gaaaagtgc acctgacgctc taagaaacca
5001 ttattatcat gacattaacc tataaaaaata ggcgtatcac gagcccttt cgtc

```

> RDC2338 Translated Insert Sequence

```

1 magcpkgswt prlrsvilgg aqliwfsali selvnqkeva awtynystka yswnnsrvfc rhrftdlvai qnkneiahln dvipffnsyy wigirkinnk
101 wtwvgtnk1l teeaenwadn epnnkknngd cveiyiksns apgkwndepc fkrkralcylt ascqdmcsn qgcietigs ytcscypgyf gpeceykec
201 gkvnipqhv1 mncshplgef sfnsqctfsc aegyeldgpg elqclasiw tnnppkdav qcqslleapp gtmacmhpia afaydssckf ecqpyrarg
301 sntlhctgsg qwseplptce aiaceppeip inhsmdcvps tgtfygnssc tflcaegfvl kgndaiqcad sqqwtapapf cealqcpfp vpskaqvncs
401 dpfgtltys vcsfscdeg lllgasvirc latghwnpaz pecqavscap mlspengsm cvqplgnsty kstcqfmode gfyfsgperl dcspsghwtg
501 tpptceaic pgifapeqgn ldcshvhgef gvgsichfsc nedfellgse nvectvsgrw sappptckgi tslpapavrc palttpgggt mscqhhlgf
601 gpnttcyfc ktgftlrgan slrcrasgqw tavtpmcrav kcselhmdta vamcnsnpwg nfyvgstctf qcpegqslng svratcredg hwsdamptc
701 aglttiqeal tylggavast tglavvggtll allrkr1rkk ddgkcp1nph shlgtygvtf naaydptp

```