

Specifications:

| | |
|----------------|------------------|
| Gene: | hCOLEC12 |
| Accession: | NP_569057 |
| Insert size: | 2242bp |
| 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. |

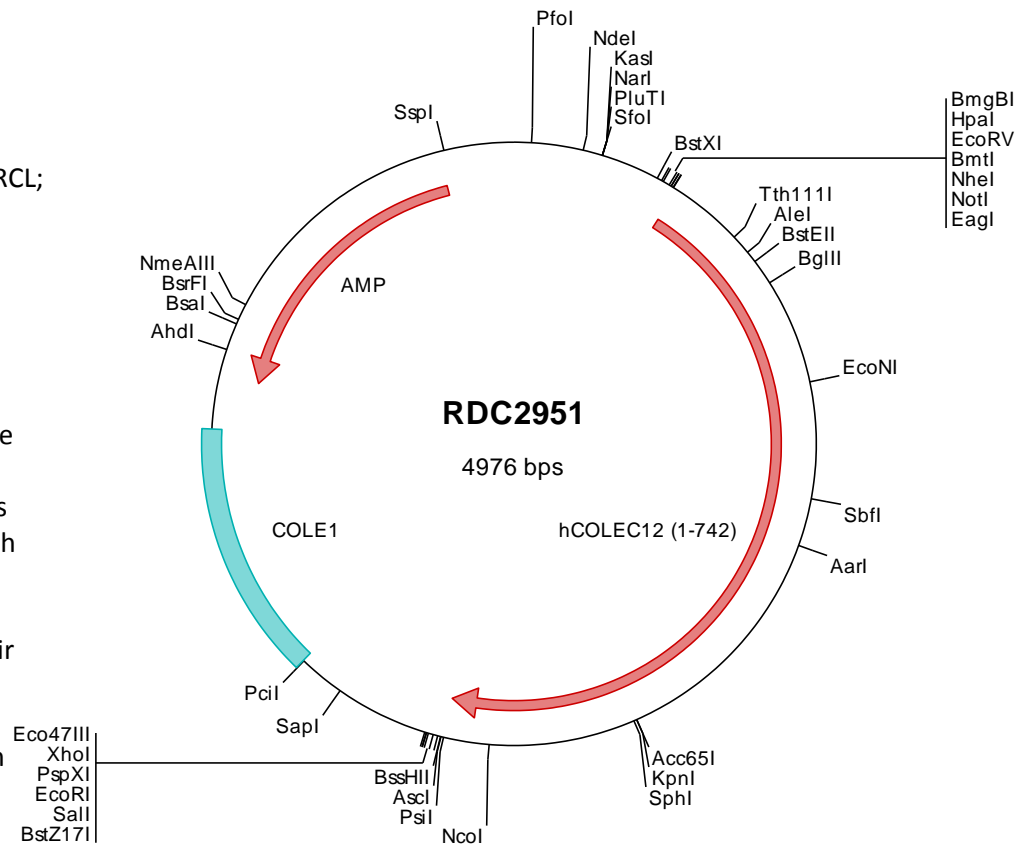
hCL-P1/COLEC12 cDNA Plasmid

COLEC12 collectin subfamily member 12 [*Homo sapiens* (human)]

Also known as: CLP1; NSR2; SRCL; SCARA4

Summary:

COLEC12 is a member of the C-lectin family which include proteins that possess collagen-like sequences and carbohydrate recognition domains. It is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of oxidatively modified low density lipoprotein by vascular endothelial cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2951 Plasmid DNA Sequence

```

1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgcatt caggctcgcg aactgttggg aagggcgatc ggtgcccggc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caagycgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atgaaaagacg acttcgcaga ggaggaggag gtgcaatcct tcggttacia
501 goggtttggt attcagggaag gaacacaatg taccaaatgt aaaaataact ggccactgaa gttttctatc atattattat acattttgtg tgccttgcta
601 acaatcacag tagccatttt gggatataaa gttgtagaga aaatggacaa tgtcacaggt ggcatggaaa catctcgcca aacctatgat gacaagctca
701 cagcagtgga aagtgacctg aaaaaattag gtgaccaaac tgggaagaaa gctatcaga ccaactcaga actctccacc ttcagatcag acattctaga
801 tctccgctcag caactctgtg agattacaga aaaaaccagc aagaacaagg atacgctgga gaagtacag gcgagcgggg atgctctggt ggacagggcag
901 agtcaattga aagaaacttt ggagaataac tctttctca tcaccactgt aaacaaaacc ctccaggcgt ataatggcta tgtcaogaat ctgcagcaag
1001 ataccagcgt tgcocagggc aatctgcaga accaaatgta tttcctaat gtggtcatca tgaacctcaa caacctgaac ctgaccaggg tgcagcagag
1101 gaacctcacc acgaatctgc agcgtctctg ggatgacaca agccaggcta tccagcgaat caagaacgac tttcaaaatc tgcagcaggt tttcttcaa
1201 gccaaagaag acacggattg gctgaaggag aaagtgcaga gcttgcagac gctggctgcc aacaactcg cgttggccaa agccaacacac gacaccctgt
1301 gggacatgaa cagccagctc cagctattca caggtcagat gggaacaatc tttctcagg accatctctc ctcaagccaa cgagcagaac ctgaaagacc tgcagcagct
1401 acacaagaat gcagagaata gaacagccat caagtccaac caactggagg aacgcttcca gctctttgag acggatattg tgaacatcat tagcaatctc
1501 agttacacag cccaaccact gcggacgctg accagcaatc taaatgaagt caggaccact tgcacagata ccttaccaca acacacagat gatctgacct
1601 cctggaataa taacctggcc aacctcgtt tggattctgt tttctcagg atgcaacaag atttgatgag tctcgaggtta gacctgaag tagccaactt
1701 atcagtgatt atggaagaaa tgaagctagt agactccaag catggtcagc tcatcaagaa ttttacaata ctacaaggtc cacccggccc caggggtcca
1801 agaggtgaca gaggatccca gggaccocct ggccaactg gcaacaaggc acagaaagga gagaaggggg agcctggacc acctggcctc cggggtgaga
1901 gaggcccaat tggacagct gtctcccccg cggcaaaagg tctaaaaggt tctaaaaggt ccaagggctcc caaagggctcc cgtgtgtccc ctggttccc
2001 cggccctcag ggtaccagtg gggaccaggg cccccgggac ccaaccaggca aagagggaact cccccggcct caggggcctc ctggtctcca gggactcca
2101 ggcacogttg gggagctggt ggtgctgga cctcggggac tgcacagctt tgcacagctt acaatggctg caggcccaa gggccccccc ggcctctctg
2201 ccccatcagg agctggctggt cccctggccc tgcagaatga tgcacaccoc gaccggaggg acaatggctg cccgctccac tggaaagaact tcacagacaa
2301 atgctactat ttttcagttg agaaaagaa ttttggagat gcaaaagctt tctgtgaaga caagtcttca catcttgttt tcaataaacac tagagaggaa
2401 cagcaatgga taaaaaaaca gatggttagg agagtagacc actggtagcc tctccagac tcagagcgtg aagtgaatg gaagggcgtg taggggacg
2501 ctccagacga caaaaattgg aagactggac agccggataa ctgggtcatc ggccatgggc caggagaaga ctgtgctggg ttgatttatg ctgggcaagt
2601 gaacgatttc caatgtgaag acgtcaataa cttcaatttg gaaaaagaca gggagacagt actgtcatct gcattataaa ggcgcgcccag
2701 agctgacacc cggggaattc ctcgagcgtc atggttcaat catggtcata cgtgtttcct gtgtgaaatt gttatcogct cacaattcca
2801 cacaacatac gggccggaag cataaaagtgt aaagcctggg gtgcttaatg atgtagctaa ctcacattaa ttgctgttgc ctactgccc gctttccagt
2901 cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg agaggcgggt tgcgtattgg gcgctcttcc gcttccctgc tcaactgact
3001 cgtcgctctg gtcgttcggc tgcggcagc ggtatcagct cactcaaaag cggtaatacg gttatccaca gaatcagggg ataaccgag aaagaacatg
3101 tgagcaaaaag gccagcaaaa ggccaggaac cgtaaaaagg ccgctgttct ggcgtttttc cataggtctc gccccctga cgagcatcac aaaaatcgac
3201 gctcaagtca gaggtygcga aaccggacag gactataaag ataccaggcg tttccccctg gaagctccct cgtgctctct cctgttccga cctcgccgt
3301 taaccggatac ctgtccgctt tttcccttc gggaaagctg ggcctttctc atgctcagc ctgtaggtat ctcagttcgg ttaggttctg tctcctcaag
3401 ctgggctgtg tgcacgaacc ccccgttcag cccgaccgt gcgccttat cggtaactat cgtcttgagt ccaaccgggt aagacacgac ttatcgccac
3501 tggcagcagc cactggtaac aggattagca gaggcaggtg tgtaggcgtt gctacagagt tcttgaagt gtggcctaac tacggctaca ctagaaggac
3601 agtattttgt atctgctcct agttaccttc ggaaaaagag tttgtagctc ttgtagctc aaacaaacca ccgctggtag cgtgtgtttt
3701 tttgtttgca agcagcagat tacgctcaga aaaaaaggat ctcaagaaga tctttgatc ttttctacgg ggtctgacgc tcagtggaac gaaaactcac
3801 gttaaaggat tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatagta
3901 aacttggctc gacagttacc aatgcttaat cagtgaagca cctatctcag cgtctgtct atttcgttca tccatagttg cctgaactcc cgtcgtgtag
4001 ataactacga tacgggaggg cttaccatct ggccccagtg ctgcaatgat acccgagac ccacgctcac cggctccaga tttatcagca ataaccagc
4101 cagccggaag gcccgagcgc agaagtgttc ctgcaacttt atccgctcc atccagctca ttaattgttg ccgggaagct agagtaagta gttccggctg
4201 taatagtttg cgaacogttg ttgcaattgc tacaggcatc gttggtctac gctcgtcgtt tggtaggct tcattcagct cctgttccca acgatcaagg
4301 cgagttacat gatccccat gttgtgcaaa aaagcggtta gctcctcgg tctctcgatc gttgtcagaa gtaagtggc cgcagtgta tcaactatg
4401 ttatggcagc actgcataat tctcttact tcactgccat cgtaagatgc ttttctgtga ctgggtgagta ctcaaccaag tcattctgag aatagtgat
4501 gcggcgaccg agttgctctt gcccgcgctc aataccggat aataccgagc cacatagcag cactttaaata gtgctcatca ttggaaaaac tttctcgggg
4601 cgaaaactct caaggatctt accgctgttg agatccagtt cgatgtaacc cactcgtgca cccaactgat cttcagcatc ttttacttcc accagcgtt
4701 ctgggtgagc aaaaaacagga aggcataaag ccgcaaaaaa gggaaatagg gcgacacgga aatgttgaat actcaatctc tttcttttcc aatattattg
4801 aagcatttat cagggttatt gctctatgag cggatacata tttgaaatgta tttgaaaaaa taacaaataa ggggttccgc gcacatttcc ccgaaaagt
4901 ccactgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgagccct ttcgct

```

> RDC2951 Translated Insert Sequence

```

1 mkddfaeese vqsfykrfg iqegtqctk knnwalkfsi illyilcall titvailgk vvekmdnvtg gmetrqttyd dkltavesdl kklgdqtgkk
101 aistnselst frsdildlrq qlreitekts knkdtlekql asgdalvdrq sqlketlenn sflittvntk lqayngyvtn lqgdtsvlqg nlqngmyshn
201 vvimmnnln ltqvqqrnli tnlqrsvddt sqaiqriknd fnlqqvfllq akkdtwlke kvqslqtlaa nnsalakann dtledmnsql nsftgqmeni
301 ttisqaneqn lkdldlkhkd aenrtaikfn qleerfqlfe tdivniisni sytahhrltl tsnlnvtrtt cdtltkhtd dltslnntla nirdsvslr
401 mqdmlmrsrl dtevanlsvi meemklvsk hgqliknfti lqpppprprp rgdrsgqppp gptgnkgqkg ekgepppppp agerppigpa gppgerggkg
501 skgsqppkys rgsppkpppq gssgdppppp ppgkeglppp qppppfqlql gtvpeppvpg prglpplpgv pmpppkppp gppppsgavv plalqneptp
601 apedngcphh wknftdkcyf fsvekeifed aklfcedkss hlvfintree qqwikkmvq reshwigltd serenewkl dgtspdyknw kagqpdnwhg
701 ghgpgedcag liyagqwndf qcedvnnfic ekdretvlss al

```