

Specifications:

Gene:	mClec4f
Accession:	NP_058031
Insert size:	1660bp
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.

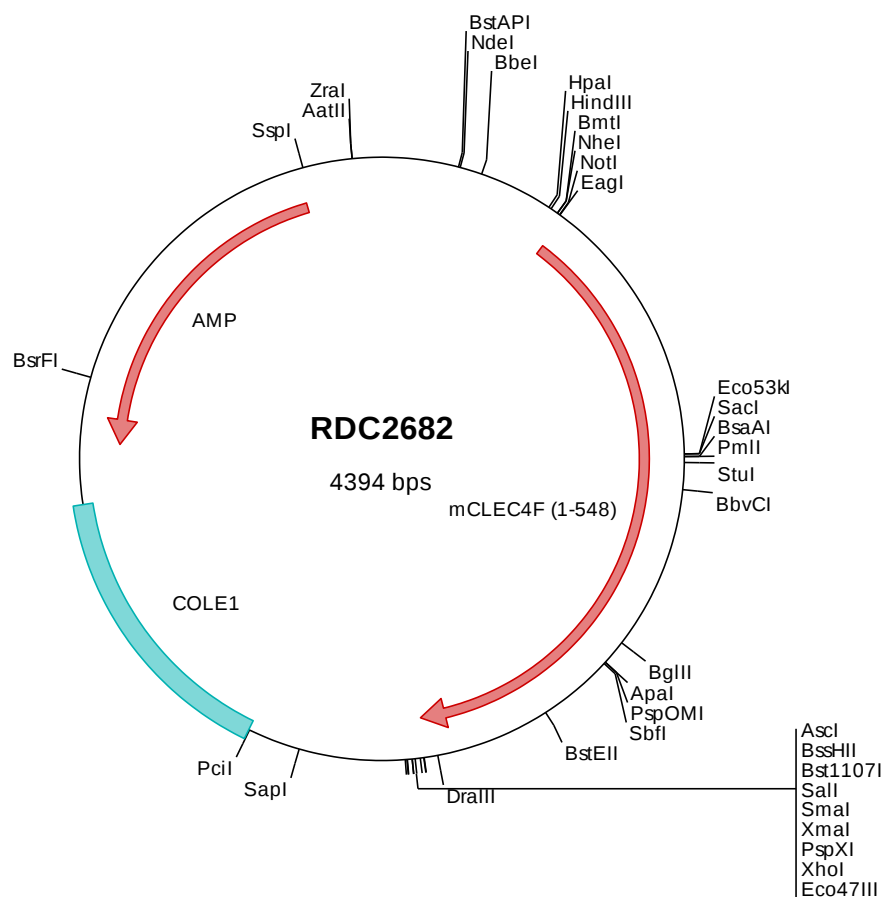
mCLEC4F/CLECSF13 cDNA Plasmid

**Clec4f C-type lectin domain
family 4, member f [*Mus
musculus* (house mouse)]**

Also known as: Kclr; D18063;
Clecsf13; KUCR_MOUSE

Summary:

CLEC4F is a type II transmembrane glycoprotein member of the C-type lectin superfamily. CLEC4F is expressed on Kupffer cells in the liver, but not on macrophages in other tissues. CLEC4F preferentially binds galactose and N-acetylgalactosamine in a calcium-dependent manner. Its activity at neutral, but not at acidic pH, suggests a capacity to internalize and release ligands into the endosomal system.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2682 Plasmid DNA Sequence

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1  tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgttaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta agccagggtt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatcgata tcgctagcgc ggccgcacc atgaaggagg ccgagctgaa cagagatatg gctagatatt gcacagacaa
501  ccagtgctgtc tccctacagc cccaaaggact ggggcctaaag tcagctgtctc tcatgtgtcc caggaccctg cggcacgtcc aggtcatctc ggcattaatg
601  gtggtgactg tgatcttttc tctccttctg ctttttctgg ttgcttcaca gccttgagga cctgagtggg ataaagagcc tccctccctc ctgcttcggg
701  gaagcaacaa ccttggaacg gacaatcatt cccaatttct caggagagaca gaaatgcaag ttgctatcca gaggcttagg gactatgagg agaattctag
801  cagctgtcac aaggaggtac agatactgaa gtaccaaatg gacaatgtta gttctctggt gcagttgctt gggagccatc tagaggatgt gaatgctgac
901  atcctgcaga caaaagatgt gctgaaggaa tctggagcct ttgcttttga gaccaggcgc ctgagaagct ccttgagggt ggccagtgtc gatataccata
1001  gtctgagagg agatttggaa aaggcacaacg ctatgacttc ccagaccoga ggtctcttaa agagcagcac agaaaacacc agtgctgagc tccactgtct
1101  gggcagaggc ctggaggaa cccagttctg gatccaggcg ttgaggggaa gtctgcagag tgcaaatgac ctacgtctcc agaccagggt ctttctccag
1201  cacagtatgg acaacattag tgetcagatc cagaccgtga gagatgttat ggaagggtg ggtgaaaaga tgaactcgtt aaagaaagag ctggaaacac
1301  tcactgctca gactcaaaag gcaaatggcc acctggagca gacagatgcc cagatccagg gcttaaaagc tgagctgaaa agcaccagtt ccttgaactc
1401  ccgagattgag gtgttcaatg gccaaatgaa agatgccagc agagagtacc agaccctgag aagggaacct agtgatgtct cagcttggaa gtccaatgtc
1501  cagatgtcac agagcaatct tcagagggcc aagacagaga tgcagagttt gaaggcagat ctgcaggcga ccaaaagcct cactgccaag attcaggggg
1601  gtctgagagg acatttggaa aaggcacaacg cctgaggaag ccgtgggtgc acagagaaga ctcagaatca ggttctccag ctgactcgcc agaactggaa
1701  gtacttcaat ggaaactttt attacttttc tctgacaagc aagccgtggc gggaggctga gaagtctgtt acgtccagg gagcgacct ggcttcgggt
1801  acccttcagg aggaacaggc attctcggtg cagactacaa gttctgggga ccattggatt gggctcactg accagggcac agagggcacc tggcgctggg
1901  tagatgtcac acatttggaa atggccagga ttgggggaaa ttgggggaaa acaactggag acataggaac ggagagcgag aagactgtgt
2001  tcacgtcccg cagcagtgga atgacatggc ctgtggatcc tctacccctt ggggtgtcaa gaagtccaca ggggtggtct cggccagagt aggtcaagg
2101  ccgcgcagta tactctagag tgcacaccg ggaattcctc tctctagctt ttcttagctt ggctaatagc tggtcatagc tgtttctgtg gtgaaattgt
2201  tatccgctca caattccaca caacatcaga ccgggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttcgct
2301  cactgcccgct tttccagtcg ggaacctgtt cgtgccagct gcattaatga atcgcccaac gcgcggggag aggcggtttg cgtattgggc gctcttcgct
2401  ttctcgctc atgactcgc tgcgtcgggt cgttcggctg ccgagcggcg tatcagctca ctcaaaggcg gtaatacggg tatccacaga atcaggggat
2501  aacgcagaaa agaactatgt agcaaaaagg ccaggaacag taaaaaggcc gcgttgctgg cgtttttcca taggctccgc cccctcgacg
2601  agcatcaaaa aaatcgacgc tcaagtcaaa ggtggcgaaa cccgacagca ctataaagat accaggcgtt tcccctgga agctccctgc tgcgtctcct
2701  tgttccgacc ctgcccgtta ccggatccct gtccgctttt cctccctcgg gaagcgtggc gctttctcaa tgcctacgtg gtaggtatct caactcggtg
2801  taggtcgttc gctccaaagt gggctgtgtg cagcaacccc ccgttcagcc cgaccctgcg cctttatccg gtaactatcg tcttgagtc caccgggtaa
2901  gacacgactt atcgccactg gcagcagcca ctggttaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggg ggcctaacta
3001  cggctacact agaaggacag tatttggat ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa acaaacacc
3101  gctggttagc gtggtttttt tgtttgcaag cagcagatta cgcgcgaaaa aaaaggatct caagaagatc ccttagatct tttacagggg tctgacgctc
3201  agtggaaacg aaactcacgt taagggattt tggctatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt ttaatacaat
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3501  tatcagcaat aaaccagcca gccggaagg ccagcgcgag aagtggtcct gcaactttat ccgcctccat ccagtctatt aattgttgcc gggaaagctag
3601  agtaagtagt tcgcagttta atagtttgcg caacgttgtt gccattgcta caggcatcgt ggtgtcacgc tgctcgtttg gtaggccttc attcagctcc
3701  ggttcccaac gatcaaggcg agttacatga tccccatgt tgtgcaaaaa agcgggttagc tcttcggtc ctccgatcgt tgtcagaagt aagtggccg
3801  cagtgttatc actcatggtt atggcagcac tgcataatc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact caaccaagtc
3901  attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccgcgtaaa tacgggataa taccgcgcca catagcagaa ctttaaaagt gctcatcatt
4001  ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgtttag atccagttcg atgtaacca ctcgtgcacc caactgatct tcagcatctt
4101  ttactttcac cagcgtttct ggttgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataaggcg gacacggaaa tgttgaatac tcatactctt
4201  cctttttcaa tattattgaa gcatttatca ggtttattgt ctoatgagcg gatacatatt tgaatgtatt tagaaaaata acaaataggg ggttccgcgc
4301  acatttcccc gaaaagtgcc acctgacgtc taagaaccca ttattatcat gacattaacc tataaaaaa ggcgtatcac gaggcccttt cgtc

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> RDC2682 Translated Insert Sequence

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1  mkeaelnrdm aryctdnqcv slqpgglgpk saalmaprtl rhvqvialalm vvtvifslia lfvvasqpwr pewnkeppsl llrgsnnsgh dnhsqfvret
101  emqvaiqrllr dyeensssch kevgilkym dnvsslvqll gshledvnad ilqtkdvike sgalaletqa lrsslevasa dihsrlrgdle kanamtsqtr
201  gllksstent saelhvlrgl leeaqseiga lrslslsands lssqtqgflq hsmdnisaqi qtvrdgmerna gekmnsllke letltaqtqk anghleqtda
301  qigglkaelk stsslnsrie vvnqgmkdas relqtlrrld sdvsalksnv qmlqsnlqra ktemqslkad lqatkalak iqgegnrlga lqeavaaqkq
401  eqktqnqvlq liaqnkyfyn gnfyfysrdk kpwreaekfc tsqgahlasv tsqeeqaflv qttssgdhwi gltdqgtgigi wrwvdgtpfn naqskgfwgk
501  nqpdnwrhrn geredcvhrv qqwdmcmacs sywpwckkst gwsaarvq

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