

Specifications:

Gene:	hCLEC10A
Accession:	NP_878910
Insert size:	964bp
Concentration:	10µg at 0.2µg/µL

hCLEC10A/CD301 cDNA Plasmid

**CLEC10A C-type lectin domain
family 10 member A [*Homo sapiens* (human)]**

Also known as: HML; MGL; HML2;
CD301; CLECSF13; CLECSF14

Summary:

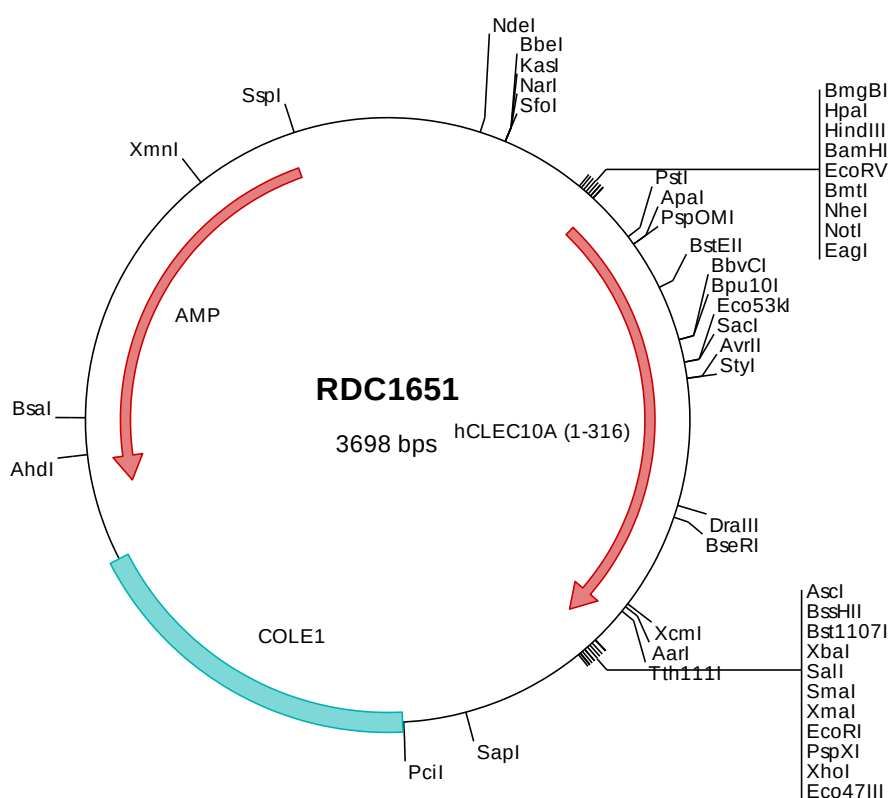
CLEC10A is a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. CLEC10A is a type 2 transmembrane protein that may function as a cell surface antigen. Alternatively spliced transcripts encoding different proteins have been described.

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.



> RDC1651 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggt  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcccacc  atgacaagga  cgtatgaaaa  cttccagtac  ttggagaata  aggtgaaagt
501  ccaggggttt  aaaaaatggg  cacttcctct  ccagtcctct  ctgcagcgct  tctgctctgg  gccctgccat  ctcctgtgtg  ccctgggctt  cggcctcctg
601  ctgctggtca  tcctctgtgt  ggttggatcc  caaaattcca  aatttcagag  ggacctgtgt  accctgagaa  cagattttag  caacttcacc  tcaaacactg
701  ttggcggagat  ccaggcaact  acttcccagg  gcagcagctt  ggaagaaacg  atagcatctc  tgaaagctga  ggtggagggt  ttcaagcagg  aacggcaggc
801  aggggtatct  gagctccagg  aacacactac  gcagaaggca  cacctaggcc  actgtcccca  ctgcccatct  gtgtgtgtcc  cagttcattc  tgaatgtctc
901  ctgcgagtc  agcagctggt  gcaagacctg  aagaaactga  cctgccaggt  ggctactctc  aacaacaatg  cctccactga  agggacctgc  tgcctgtca
1001  actgggtgga  gcaccaaagc  agctctact  ggttctctca  ctctgggatg  tcttgggccc  aggtgagaa  gtactgccag  ctgaagaacg  cccacctggt
1101  ggtcatcaac  tcaggggagg  agcagaatct  tgtccagaaa  tatctaggct  ccgcatacac  ctggatgggc  ctcaagtacc  ctgaaggagc  ctggaagtgg
1201  gtggatggaa  cagactatgc  gacgggtctc  cagaactgga  agccaggcca  gccagacgac  tggcaggggc  acgggctggg  tggaggcgag  gactgtgctc
1301  acttccatct  cagcggcagg  tgaatgacg  acgtctgcca  gagccctac  cactgggtct  gcgaggctgg  cctgggtcag  accagcagg  agagtcacta
1401  aaggcgcgcc  agtatactct  agagtgcaca  cccggggaat  tctctgagcg  ctctctctca  gcttgccgta  atcatggtca  tagctgttct  ctgtgtgaaa
1501  ttgttatccg  ctcacaattc  cacacaacat  acgagccgga  agcataaagt  gtaaacgctg  ggggtgcctaa  tgagtgcctt  aactcacatt  aattgcgttg
1601  cgctcactgc  ccgctttcca  gtcgggaaac  ctgtcgtgcc  agctgcatta  atgaatcgcc  caacgcgcgg  ggagaggcgg  tttgcgtatt  gggcgctctt
1701  ccgcttctct  gctcactgac  tcgctcgctc  cgtctgctcg  gctgcgcgca  gcggtatcag  ctcactcaaa  ggcgtaata  cggttatcca  cagaatcagg
1801  ggataacgca  ggaagaaca  tgtgagcaaa  aggcagcaa  aaggccagga  accgtaaaaa  ggccgcgttg  ctggcgtttt  tccataggtc  ccgccccctc
1901  gacgagcatc  acaaaaatcg  agctcaagt  acgtctgggc  gaaacccgac  aggactataa  agataccagg  cgtttcccc  tggaagctcc  ctgcgtcgct
2001  ctctgttctc  gacctgccc  cttaccggat  acctgtccgc  ctttctccct  tcgggaagcg  tggcgcttct  tcaatgtcca  cgctgtaggt  atctcagttc
2101  ggtgtaggtc  gttcgtcca  agctgggctg  tgtgcacgaa  cccccgttc  agcccgaccg  ctgcgcctta  tccgtaact  atcgtcttga  gtccaacctg
2201  gtaagacacg  acttatcgcc  actggcagca  gccactggta  acaggattag  cagagcgagg  tatgtaggcg  gtgctacaga  gttcttgaag  ttgtggccta
2301  actacggcta  cactagaagg  acagtatttg  gtatctgctc  tctgctgaag  ccagttaacc  tcggaaaaag  agttggtagc  tcttgatccg  gcaaacaaac
2401  caccgctggt  agcgggtggt  tttttgttg  caagcagcag  attacgcgca  gaaaaaaaag  atctcaagaa  gatcctttga  tcttttctac  ggggtctgac
2501  gctcagtgga  acgaaaaatc  acgttaaggg  attttggtca  tgagattatc  aaaaaggatc  ttcacctaga  tcccttttaa  ttaaaaatga  agttttaaat
2601  caatctaaag  tatatatgag  taaacttggt  ctgacagtta  ccaatgccta  atcagtagg  caccatctct  agcgatctgt  ctatttcggt  catccatagt
2701  tgccctgact  ccgctcgctg  agataactac  gatacgggag  ggcttaccat  ctggccccc  tgctgcaatg  ataccgcgag  acccagctc  accggctcca
2801  gatattatcag  caataaaacc  gccagccgga  agggccgagc  gcagaagtgg  tcttgcact  ttatccgctc  ccattccagtc  tattaattgt  tgcggggaag
2901  ctagagtaag  tagttcgcca  gttaaatagt  tgcgcaacgt  tgttgccatt  gctacaggca  tcgtggtgtc  acgctcgctg  tttggtagtg  ctctattcag
3001  ctccggttcc  caacgatcaa  ggcgagttac  atgatcccc  atgttgtgca  aaaaagcgg  tagctccttc  ggtcctccga  tcgttgtcag  aagtaagttg
3101  gccgcagtg  tatcactcat  ggttatggca  gcactgcata  attctcttac  tgtcatgcca  tccgtaagat  gcttttctgt  gactggtgag  tactcaacca
3201  agtcattctg  agaatagtgt  atcgccgcgac  cgagttgtct  ttgcccggcg  tcaatacggg  ataataccgc  gccacatagc  agaactttaa  aagtgtctat
3301  cattggaaaa  cgttcttcgg  ggcgaaaact  ctcaaggatc  ttaccgctgt  ttcatccag  ttcgatgtaa  cccactcggt  caccacaact  atcttcagca
3401  tcttttactt  tcaccagcgt  ttctgggtga  gcaaaaacag  gaaggcaaaa  tgccgcgaaa  aaggaataaa  gggcgacacg  gaaatgttga  atactcatac
3501  tcttctcttt  tcaatattat  tgaagcattt  atcagggtta  ttgtctcatg  agcggataca  tatttgaatg  tatttagaaa  aataaataaa  taggggttcc
3601  gcgcacattt  ccccgaaaag  tgccacctga  cgtctaagaa  accattatta  tcatgacatt  aacctataaa  aataggcgta  tcacgaggcc  ctttcgtc

```

> RDC1651 Translated Insert Sequence

```

1  mtrtyenfgy  lenkvkvqgf  kngplplqsl  lqrlcsgpch  lllslglgll  llviicvvgf  qnskfqrldv  tlrtdfsnt  sntvaeiqal  tsqgssleet
101  iaslkaevag  fkqerqagvs  elqehhttqka  hlghcphcps  vcvpvhseml  lrvqqlvqdl  kkltcqvatl  nnnastegtc  cpvnvvehqd  scywfshsgm
201  swaaekycq  lknahlvvin  sreeqnfvqk  ylgsaytwmg  lsdpegawk  vdgtatygaf  qnwkpqgdd  wqghglggge  dcaphfpdgr  wnddvcrpdy
301  hnwceaglgq  tsqesh

```