

Specifications:

Gene:	<i>h</i> HAPLN1
Accession:	NP_001875.1
Insert size:	1078bp
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.

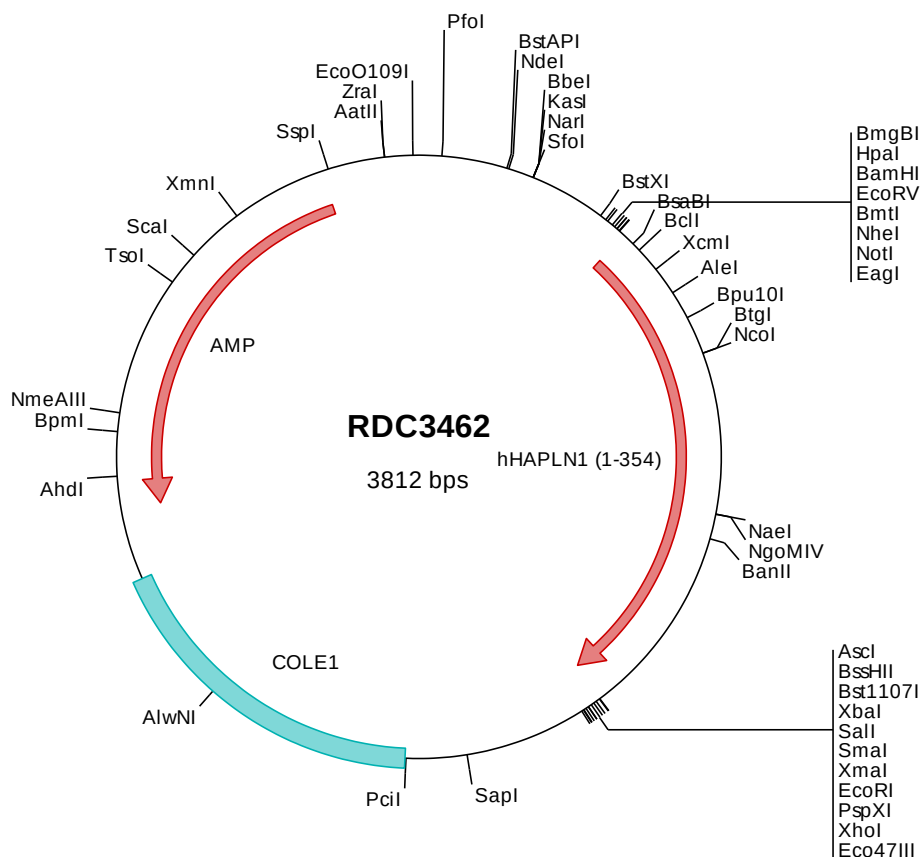
***h*HAPLN1 cDNA Plasmid**

**HAPLN1 hyaluronan and
proteoglycan link protein 1
[*Homo sapiens* (human)]**

Also known as: CRT1; CRTL1

Summary:

HAPLN1 is a member of the hyaladherin family of hyaluronic acid (HA) binding proteins. It stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix.



> RDC3462 Plasmid DNA Sequence

```

1   tcgcgcgcttt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcaggggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttaaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggaatgtctg  caaggcgatt  aagttgggta  acgccagggt  tttcccgatc  acgacgttgt  aaaacgacgg  ccagtgtaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcacc  atgaagagtc  taactttctt  ggtgctgatt  tcaatctgct  gggctgatca
501  ttcttcagac  aactatactc  tggatcatga  cagagctatt  cacatccaag  cagaaaaatg  ccccatctca  cttgtggaag  cagagcaagc  caaggtgttt
601  tcacacagag  gtggcaatgt  tacactgcca  tgtaaaatctt  atcgagaccc  tacagcattt  ggctcaggaa  tccataaaat  ccgaattaag  tggaccaagc
701  taacttcgga  ttacctcaag  gaagtggatg  tttttgttcc  catgggatac  ccaaaaaaaa  cctatggagg  ctaccagggt  agagtgtttc  tgaaggagg
801  cagtgatagt  gatgctcttc  tggatcatcc  agacctcact  ctggaagatt  atgggagata  taagtgtgag  gtgattgaag  gattagaaga  tgatactgtt
901  gtggtagcac  tggacttaca  aggtgtggtg  ttcccttaet  ttccacgact  ggggogctac  aatctcaatt  ttcacgaggg  gcagcaggcg  tgtctggacc
1001 aggatgctgt  gatcgctcgc  ttccgacagc  ctggcggggc  gggctggact  ggtgcaatgc  cggctggctc  agtgatggct  ctgtgcaata  ctgtgtaccc
1101 tcccatcaca  aagcccagag  agccctgtgg  gggccagaac  acagtgcocg  gagtccaggaa  ctacggattt  tgggataaag  ataaagcag  atatgatgtt
1201 ttctgtttta  catccaatct  caatggcctg  ttttaetate  tgatccaccc  caccaaaactg  acctatgatg  aagcggtgca  agcttgtctc  aatgatgggt
1301 ctccagctgt  aaaagtgggc  cagatatttg  ctgctctgga  aattctcgga  tatgacogct  gtgatgcggg  ctggttggcg  gatggcagcg  tccgctaccc
1401 catctctagg  ccaagaaggg  gctgcagtc  taactgagct  gcagtgcgct  tcgtgggttt  cccagataaa  aagcataaag  tgtatggtgt  ctactgtctc
1501 agagcataca  actaaaggcg  cgccagatata  ctctagatgc  gacacccggg  gaattcctcg  agcgtctgct  tctagcttgg  cgtaatcatg  gtcatagtcg
1601 tttctgtgt  gaaattgtta  tccgctcaca  attccacaca  acatacagag  cggaaagcata  aagtgtaaa  cctgggggtg  ctaatgagtg  agctaactca
1701 cattaattgc  gtttgcgtca  ctgcccgcct  tccagtcggg  aaacctgtgc  tgccagctgc  ataatgaat  cggccaacgc  gcggggagag  gcggtttgcg
1801 tattggggcg  ctttccgctt  ctgcgtcac  tgactcgtg  cgctcggtgc  ttcggtctgc  gcgagcggta  tcagctcact  caaaggcggt  aatacggtta
1901 tccacagatc  caggggataa  cgcaggaag  aacatgtgag  caaaaggcca  gcaaaaggcc  aggaaccgta  aggaaccgta  aaaaggcgcc  gttgtggcg
2001 gctctcgccc  cctcgacgag  catcacaaaa  atcgacgctc  aagtcagagg  tggcgaaacc  cgacaggact  ataaagatac  caggcgcttc  ccctgggaag
2101 ctccctcgtg  cgctctcctg  ttccgacct  gcgccttacc  ggatccctgt  cgaacccccc  cccttcggga  agcgtggcgc  tttctcaatg  ctacgctgt
2201 aggtatctca  gttcgggtga  ggtcgttcgc  tccaaagctg  gctgtgtgca  cgaacccccc  gttcagcccg  accgctgcgc  ttatccgggt  aactatcgtc
2301 ttgagtccaa  cccggtaaga  cagcacttat  cgccactggc  agcagccact  ggtaacagga  ttagcagagc  gaggtatgta  ggcgggtgta  cagagtctct
2401 gaagtgtg  cctaactacg  gctacactag  aaggacagta  tttggtatct  gcgctctgct  gaagccagtt  acctcggaa  aaagagttgg  tagctcttga
2501 tcgggcaaac  aaaccaccgc  tggtagcgg  ggtttttttg  tttgcaagca  gcagattacg  cgcagaaaaa  aaggatctca  agaagatcct  ttgatctttt
2601 ctacggggtc  tgacgctcag  tggaaacgaa  actcactgta  agggattttg  gtcatgagat  tatcaaaaag  gatcttcacc  tagatccttt  taaattaaaa
2701 atgaagtgtt  aaatcaatct  aaagtatat  tgagttaaact  tggctctgca  gttaccaatg  cttaatcagt  ttcagccact  ttcagcgat  ctgtctatct
2801 cgttcatcca  tagttgctg  actccccgtc  gtgtagataa  ctacgatacg  ggagggtcta  ccacttgcc  ccagtgtgct  aatgataccg  cgagaccacc
2901 gctcacccgc  tccagattta  tcagcaataa  accagccagc  cggaaggggc  gagcgagaa  gtggtcctgc  aactttatcc  gcctccatcc  agtctattaa
3001 ttggttcggg  gaagctagag  taagtgttc  gccagttaat  agtttgcgca  acgttgtgct  cattgctaca  ggcacgtg  tgccacgctc  gtcgtttggt
3101 atggcttcat  tcagctccgg  ttcccaacga  tcaaggcgag  ttacatgatc  ccccatgttg  tgcaaaaaag  cgggttagctc  cttcggctct  ccgacgtgtg
3201 tcagaagtaa  gttggccgca  gtgttatcac  tcatggttat  ggcagcactg  gctcttgccc  ttactgtcat  gccatccgta  agatgctttt  ctgtgactgg
3301 tgagtactca  accaagtc  tctgagaata  gtgtatgctg  cgaccgagtt  gctcttgccc  ggcgtcaata  cgggataata  ccgcgccaca  tagcagaact
3401 ttaaaagtgc  tcatcattgg  aaaacgttct  tcggggcgaa  aactctcaag  gatcttaccg  ctggttagat  ccagttcgat  gtaacccact  cgtgcacca
3501 actgatcttc  agcatctttt  actttcacca  gcgtttctgg  gtgagcaaaa  acaggaaggg  aaaaatgccg  aaaaaaggga  ataaggcgga  cacggaaatg
3601 ttgaatactc  atactcttcc  tttttcaata  ttattgaagc  atttatcagg  gttattgtct  catgagcgga  tacattattg  aatgtattta  gaaaaataaa
3701 caaatagggg  ttccgcgcac  atttccccga  aaagtgccac  ctgacgtcta  agaaccatt  attatcatga  cattaacct  taaaaatagg  cgtatcacga
3801 ggccttttcg  tc

```

> RDC3462 Translated Insert Sequence

```

1   mksllllvli  sicwadhlsd  nytldhdrai  hiqaengphl  lveaeqakvf  shrgrnvtlp  ckfyrdptaf  gsgihkirik  wtkltsdyk  evdvfvsmgy
101  hkktygygyg  rvflkgsds  daslvitdl  ledygyryke  viegledtdv  vvaldlggv  fpyfprlgry  nlnfheaqqa  clqdqavias  fdglydawrg
201  glwdcnagwl  sdgsvqypit  kprepcggqn  tvpgvrnygf  wdkdksrydv  fcftsnfngr  fyylihptkl  tydeavqacl  ndgaqiakvq  qifaawkilg
301  ydrdcagwla  dgsrvypisr  prrrcspte  avrfvgfpdk  khklygyvcf  rayn

```