

Specifications:

Gene:	<i>hRNF128</i>
Accession:	NP_919445.1
Insert size:	1300bp
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.

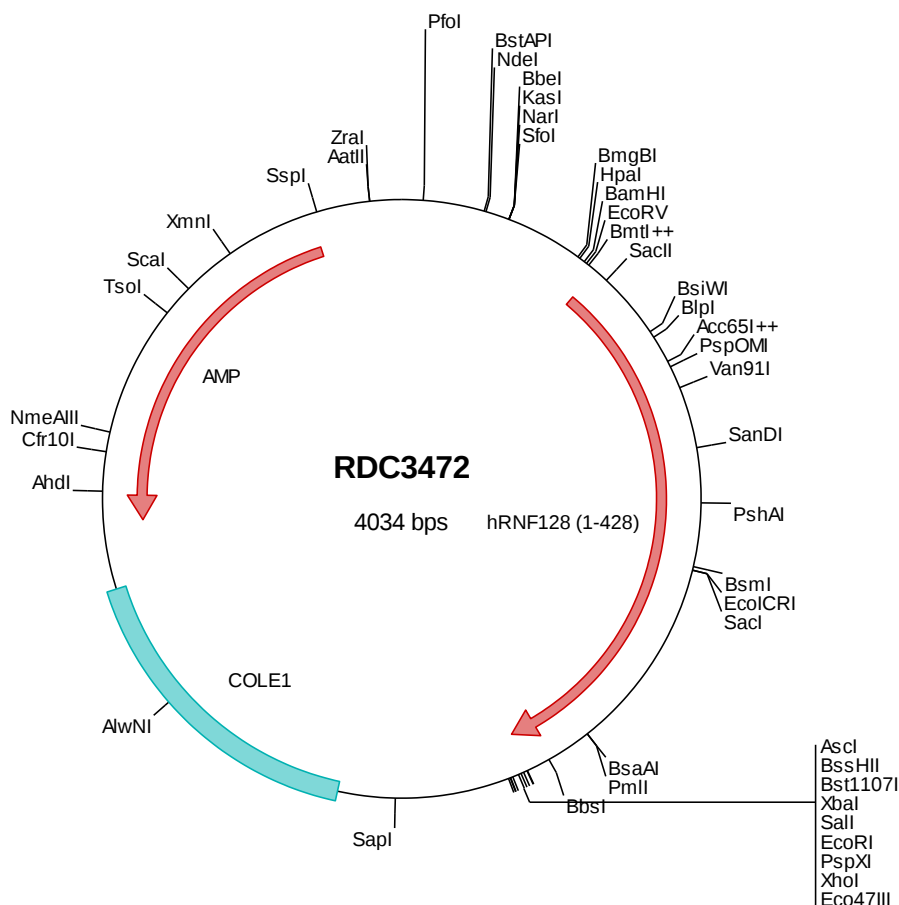
hGRAIL/RNF128 cDNA Plasmid

RNF128 ring finger protein 128
[*Homo sapiens* (human)]

Also known as: GRAIL

Summary:

RNF128 is a type I transmembrane protein that localizes to the endocytic pathway. It contains a RING zinc-finger motif and has been shown to possess E3 ubiquitin ligase activity. Expression of RNF128 in retrovirally transduced T cell hybridoma significantly inhibits activation-induced IL2 and IL4 cytokine production. Induced expression of RNF128 was observed in anergic CD4(+) T cells, which suggested a role in the induction of anergic phenotype. Alternatively spliced transcripts encoding different proteins have been described.



> RDC3472 Plasmid DNA Sequence

```

1   tcgcgcggtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtc  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggaatgtctg  caaggcgatt  aagttgggta  agcccgagg  tttcccgatc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggaaccgata  tcgctagcgc  ggccgcacc  atggggcctc  cacctggagc  tggagttctc  tgcgcgggtg  gctgcggctt
501  ttccagattg  ctggcatggt  gtttccctgt  ggccctgagt  ccgcaggcac  ccggttcccc  gggggctgaa  gcagtgtgga  ccgcgtacct  caacgtgtcc
601  tggcgggttc  cgcacacggg  agtgaaccgt  acggtgtggg  agctgagcga  ggaggcgctg  tacggccagg  actcgccgct  ggagcctgtg  gctggggctc
701  tggtaaccgc  cgacggggcc  ggggcgctta  acgcctgtaa  ccgcacacg  aatttcacgg  tgcccacggt  ttggggaagc  accgtgcaag  tctcttggtt
801  ggccctcatc  caacgcggcg  ggggtctcac  cttcgagac  aagatccatc  tggtttatga  gagagggcg  totggagccg  tcattottta  cttccccggg
901  acccgcaatg  aggtcatccc  catgtctcac  ccgggtgcag  tagacattgt  tgcaatcatg  atcggaatc  tgaaggcac  aaaaattctg  caatctatc
1001 aaagaggcat  acaagtgaca  atggtcatag  aagtagggaa  aaaacatggc  oettgggtga  atcaactatc  aatttttttc  gttctgtgtg  ctttttttat
1101 tattacggcg  gcaactgtgg  gctattttat  cttttattct  gctcgaaggc  tacggaatgc  aagagctcaa  agcaggaagc  agaggcaatt  aaaggcagat
1201 gctaaaaaag  ctattggaag  gcttcaacta  cgcacactga  aacaaggaga  caaggaatt  ggccctgatg  gagatagtgt  tgcgtgtgtg  attgaattgt
1301 ataaacccaa  tgatttggta  cggatcttaa  cgtgcaacca  tattttccat  aagacatgtg  ttgacccatg  gctgttagaa  cacaggactt  gccccatgtg
1401 caaatgtgac  atactcaaac  ctttgggaat  tgaggtggat  gttgaagatg  gatcagtgct  tttacaagtc  cctgtatcca  atgaatatc  taatagtgtc
1501 toctcccatg  aagaggataa  tcgcagcgag  accgcacatc  ctggatatgc  ttcagtacag  ggaacagatg  aaccgcctct  ggaggaacac  gtgcagtcaa
1601 caaatgaaag  tctacagttc  aagcaaatc  tctgttattc  ttgtgtattc  cctgttattc  ctcatgttga  caacccaacc  ttggaagcag  accgaaactc
1701 taatcaagag  actgctgttc  gagaaattaa  atottaaagg  cgcgccagta  tactctagag  tcgacaccgc  gggaattcct  cgagcgctcg  tctctagctt
1801 ggcgtaatca  tggatcatag  tgtttcctgt  gtgaattgt  tatccgctca  caattccaca  caacatacga  gccggaagca  taaagtgtaa  agcctggggt
1901 gcctaagtga  tgagctaact  cacattaatt  gcgttgcgct  cactgccgc  tttccagtcg  ggaaacctgt  cgtgccagct  gcattaatga  atcgcccaac
2001 cgcgggggag  aggcgggttg  cgtattgggc  gctcttcgcc  ttctcgcctc  actgactcgc  tgcgctcggt  cggtcggctg  cgccgagcgg  tatcagctca
2101 ctcaaaaggc  gtaatacgtt  tatccacaga  atcaggggat  aacgcaggaa  agaactgtgt  agcaaaaagg  cagcaaaaag  ccaggaaccc  taaaaaggcc
2201 gcgttgctgg  gctttttcca  taggtctcgc  cccctgacg  agcatcacia  aaatcgacgc  tcaagtccga  ggtggcgaaa  cccgacagga  ctataaagat
2301 accaggcgtt  tccccctgga  agctccctgc  tgcgtctctc  tgttccgacc  ctgccgctta  ccggatacct  gtccgccttt  ctcccttcgg  gaagcgtggc
2401 gctttctcaa  tgctcacgct  gtaggtatct  cagttcggtg  gctccaagct  gggctgtgtg  gagcaaccgc  cgtttcaagc  ccgttaagcg  cgaccgtctg
2501 gcccttatcg  gtaactatcg  tcttgagtc  aaaccggtaa  gacacgactg  atcgccactg  gcagcagcga  ctggtaacag  gattagcaga  gcgaggtatg
2601 taggcggtgc  tacagagttc  ttgaagtgt  ggcctaacta  cggctacact  agaaggacag  tatttgggat  ctgcgctctg  ctgaagccag  ttaccttcgg
2701 aaaaagagtt  ggtagctctt  gatccggcaa  acaaacacc  gctggttagc  gtggtttttt  tgtttgcaag  cagcagatta  ccgcagaaaa  aaaaggatct
2801 caagaagatc  ctttgatctt  ttctacgggg  tctgacgctc  agtggaacga  aactcacgt  taagggattt  tggtcagtga  attatcaaaa  aggatcttca
2901 cctagatcct  tttaaattaa  aaatgaagtt  ttaaatcaat  ctaagtata  tatgagtaaa  cttggtctga  cagttaccaa  tgcttaatca  gtgaggcacc
3001 tatctcagcg  atctgtctat  ttctgtctat  catagttgcc  tgactcccc  cgtgttagat  aactacgata  cgggagggtc  taccatctgg  cccagtgctt
3101 gcaatgatac  cgcgagaccc  acgctcaccg  gctccagatt  tatcagcaat  aaaccagcca  gccggaagg  ccgagcgcag  aagtgttctc  gcaactttat
3201 ccgcctccat  ccagtctatt  aattgttgcc  ggggaagctg  agtaagtagt  tcgccagtta  atagtttgcg  caacgttgtt  gccattgcta  caggcatcgt
3301 ggtgtcagcg  tcgtcgtttg  gtatggcttc  attcagctcc  ggttcccaac  gatcaaggcg  agttacatga  tcccccatgt  tgtgcaaaaa  agcggttagc
3401 tccttcggtc  ctccgatcgt  tgtcagaagt  aagttggccg  cagtgttatt  actcatggtt  atggcagcac  tgcataattc  tcttactgtc  atgccatccg
3501 taagatgctt  ttctgtgact  ggtgagtact  caaccaagtc  attctgagaa  tagtgtatgc  ggcgaccgag  ttgctcttgc  ccggcgctca  tacgggataa
3601 taccgctcca  catagcagaa  ctttaaaagt  gctcatcatt  ggaaaaacgt  ctccggggcg  aaaaactcca  aggatcttac  cgctgttgag  atccagttcg
3701 atgtaaccca  ctctgtcacc  caactgatct  tcagcatctt  ttactttcac  cagcgtttct  ggggtgagca  aaacaggaag  gcaaaatgcc  gcaaaaaagg
3801 gaataaggcg  gacacggaaa  tgttgaatac  tcaactcttt  cctttttcaa  tattattgaa  gcatttatca  ggggtattgt  ctcatgagcg  gatacatatt
3901 tgaatgtatt  tagaaaaata  aacaaatagg  ggttcgcgcg  acatttcccc  gaaaagtgc  acctgacgtc  taagaaacca  ttattatcat  gacattaacc
4001 tataaaaaata  ggcgtatcac  gaggcccttt  cgtc

```

> RDC3472 Translated Insert Sequence

```

1   mppppgagvs  crggcgfsrl  lawcfillals  ppapgsrgae  avwtaylnvs  wrvphgtvnr  tvwelseegv  ygqdsplepv  agvlvppdgp  galnacnph
101  nftvptvwgs  tvqvwslali  qrgggctfad  kihlayerga  sgavifnfp  trnevipmsh  pgavdivaim  ignlkgtkil  qsiqrgiqvt  mvievgkkg
201  pwnhysiff  vsvsffiiita  atvgyfifys  arrlrnaraq  srkqrqlkad  akkaigrql  rtlkggdkei  gpdgdsavc  ielykpnldv  riltcnhif
301  ktcvdpwll  hrtcpmkcd  ilkalgievd  vedgsvslqv  pvsneisnsa  ssheednrse  tassgyasvq  gtdeppleeh  vqstneslql  vnheansvav
401  dviphvdpnt  feedetpnqe  tavreiks

```