

Specifications:

Gene:	<i>hLRRN2</i>
Accession:	NP_006329
Insert size:	2155bp
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.

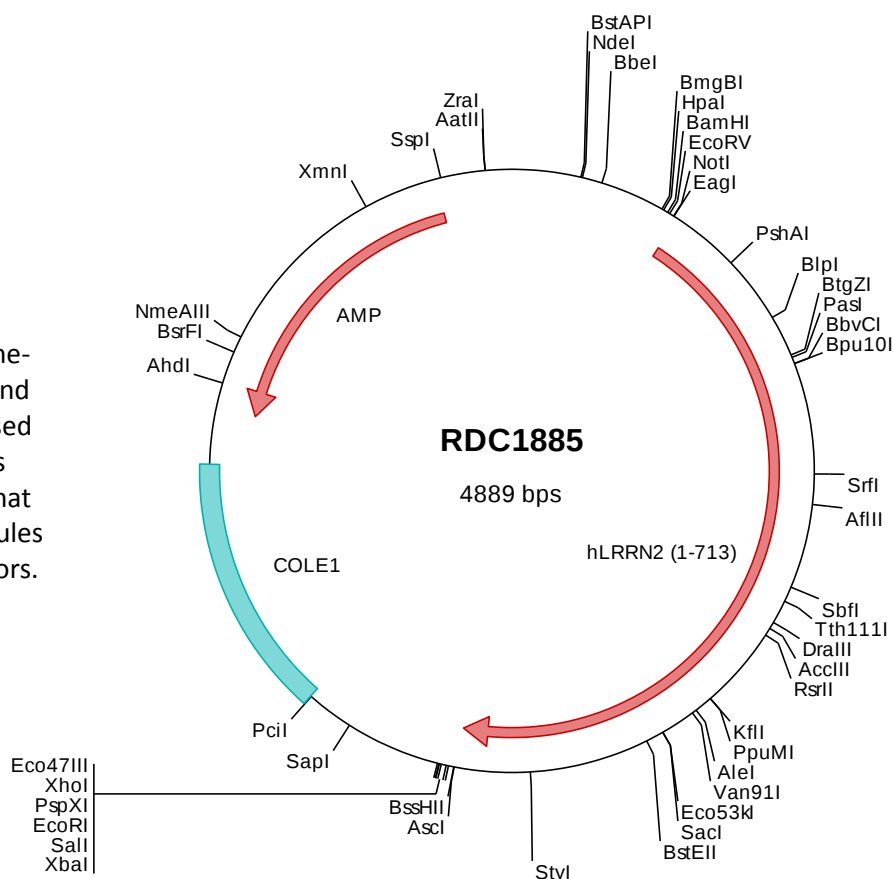
hLRRN2 cDNA Plasmid

**LRRN2 leucine rich repeat
neuronal 2 [*Homo sapiens*
(human)]**

Also known as: GAC1; LRRN5;
LRANK1; FIGLER7

Summary:

LRRN2 is a member of the leucine-rich repeat superfamily. It is found to be amplified and overexpressed in malignant gliomas. LRRN2 has homology with other proteins that function as cell-adhesion molecules or as signal transduction receptors.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1885 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggt  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggaatgtctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaaat
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccggccacc  atgaggcttc  tcgtggcccc  actcttgcta  gcttgggttg  ctggtgccac
501  tcgcgcgcttg  ccgcgtgttac  cctggcatgt  tccctgcccc  cctcagttgt  cctgccagat  ccggccctgg  tatacgcccc  gctcgtccta  ccgcgaggct
601  accactgttg  actgcaatga  cctattctct  acggcagctc  ccccgccact  ccccgccagg  acacagaccc  tgctcctgca  gagcaacagc  attgtccgtg
701  tggaaccagag  ctgactgggc  tacctggcca  atctcacaga  gctgggacct  tcccagaaca  gcttttggga  tgcccgagac  tgtgatttcc  atgccctgcc
801  ccagctgctg  agcctgcacc  tagaggagaa  ccagctgacc  cggctggagg  accacagctt  tgcagggtcg  gccagcctac  aggaactota  tctcaaccac
901  aaccagctct  accgcctgc  ccccgaggcc  ttttctggcc  tcagcaactt  gctgggctga  cactcgaact  ccaacctcct  gaggggccatt  gacagccgct
1001 ggtttgaaat  gcagcccaac  ttggagctac  tcatgattgg  cggcaacaag  gtatgtctcc  tcctggacat  gaacttcggg  cccctggcca  acctgcgtag
1101 cctggtgcta  gcaggcatga  acctcgggga  gatctccgac  tatgcccctg  aggggtcgca  aagcctggag  agcctctcct  tctatgacaa  ccagctggcc
1201 cgggtgcccc  ggccggcact  ggaacaggtg  ccgggctca  agttctctga  cctcaacaag  aaccgcctcc  agcgggtagg  gccgggggac  tttgccaaca
1301 tggtgcacct  taaggacgtg  ggaactgaac  acatgttgga  ggtgttgata  atcgacaagt  ttgcccctgg  gaacctcccc  gaactgcaca  agctgcacat
1401 caccaataac  ccacggctgt  ccttcaccca  ccccgcgccc  ttccaccacc  tgccccagat  ggagaccctc  atgctcaaca  acaacgctct  cagtgccctg
1501 caccagcaga  cgggtggagt  cctgccccac  ctgcaggagg  taggtctcca  cggcaacccc  atcgcgtgtg  actgtgtcat  ccgctggggc  aatgccacgg
1601 gcaccctgtg  ccgcttcctc  gagccgcaat  ccacctgttg  tgcgggacct  cccgacctcc  agcgcctccc  ggtccgtgag  gtgcccttcc  gggagatgac
1701 ggaccaactgt  ttgcccctca  tctcccacag  aagcttcccc  ccaagcctcc  aggtagccag  tggagagagc  atggtgtctg  attgccgggc  actggccgac
1801 ccgaaccog  agatctactg  ggtcactcca  gctgggcttc  gactgacacc  tgcccatgta  ggcaggaggt  accgggtgta  ccccgagggg  accctggagg
1901 tgccgaggg  gcagccagaa  gaggcggggc  tatcacctg  tctggccctg  taagacggtt  gggctgacac  taagacggtt  agtgggttg  tggggcgtgc
2001 tctctccag  ccaggcgagg  acgaaggaca  ggggctggag  ctcgggtgct  aggagaccca  cccctatcac  atcctgctat  cttgggtcac  cccacccaaa
2101 acagtgtcca  ccaacctacc  ctggtccagt  gctctctccc  tccggggcca  gggggccaca  gctctggccc  gctgcccctg  gggaaacccc  agctcaaaaa
2201 ttaccocct  ccttcaggcc  accggagtac  gggcctgctc  gcaagtggcc  tttgctgatg  ttgctgatg  cctctgctgt  gttggcttgc  ggacaaaaga
2301 ggccactctc  tgccacagag  ccttagggga  ccgtcctggg  ctcattgcca  tctgtgctct  cgtgttcttc  ctctggcag  cgtggctagc  ggcccacctt
2401 ggcacaggcc  aaccgggaa  ggggtgtggg  gggaggcggc  cctctccctc  cagctggggt  gaagctgggt  cactgttgcc  accattgtct  caaaaattct
2501 cctccctcgt  cctgcccctg  ggaacgggga  cagatctcca  gctcgtctct  agcttgccgt  aatcatggtc  atagctgttt  cctgtgtgaa  attgttatcc
2601 cagtatactc  tagagtgcac  acccggggaa  ttccctgagc  gctcgtctct  ggggtgccta  atgagtgagc  taactcacat  taattgcgtt  gcgctcactg
2701 gctcacaaat  ccacacaaac  taccgacgg  aagcataaag  tgtaaagctc  ccaacgcgcg  gggagaggcg  gtttgcgat  tgggcgctct  tccgcttctc
2801 cccgctttcc  agtcgggaaa  cctgtcgtgc  cagctgcatt  aatgaatcgg  agcgcgtatc  aggcggtaat  acggttatcc  ggataaacgc  tgagataacg
2901 cgctcactga  ctgcctgcgc  ttggtcggtc  ggctgcggcg  aagcgccagg  aacccgtaaaa  agcccgcttt  gctggcgctt  tcccataggg  tccgcccccc
3001 agcgaagaa  atgtgaccaa  aaggccagca  cagcccagcc  cagcctgccc  gctgcgcctt  gctgctgcaat  gataccgcga  gacctcacgt  caccggctcc
3101 cacaaaaaac  gacgctcaag  tcagaggttg  cgaaaaccga  caggactata  aagataccag  gcggttcccc  ctggaagctc  cctcgtgcgc  tctcctgttc
3201 cgaccctgcc  gcttaccgga  tactgtccc  cctttctccc  ttcgggaagc  gtggcgcttt  ctcaatgctc  acgctgtagg  tatctcagtt  ccggtgtaggt
3301 cgttcgctcc  aagctgggct  gtgtgcacga  acccccgttt  cagcccagcc  gctgcgcctt  atccggtaac  tatcgtcttg  atcccaacc  ggtaaagcac
3401 gacttatcgc  cactggcagc  agccactggt  aacaggatta  gcagagcgag  gtatgtaggc  ggtgctacag  agttcttgaa  gtggtggcct  aactacggct
3501 acactagaag  gacagtattt  ggtatctgcy  ctctgctgaa  gccagttacc  ttccgaaaaa  gatgttggtg  ctcttgatcc  ggcaaaaaca  ccaccgctgg
3601 tagcgggtgt  ttttttgttt  gcaagcagca  gattacgcgc  gatctcaaga  gatctccttg  agatcctttg  atcttttcta  cggggctctga  ccctcagttg
3701 aacgaaaact  cacgttaagg  gattttgttc  atgagattat  caaaaaggat  cttcacctag  atccttttaa  attaaaaatg  aagttttaaa  tcaatctaaa
3801 gtatatatga  gtaaaacttg  tctgacagtt  accaatgctt  aatcagtgag  gacactatct  cagcgatctg  tctatttctg  tcactccatag  ttgcctgact
3901 ccccgtcgtg  tagataacta  cgatacggga  gggcttacca  cctggcccca  gtgctgcaat  gataccgcga  gacctcacgt  caccggctcc  agatttatca
4001 gcaataaacc  agccagccgg  aagggccgag  cgcagaagtg  gtctcgcaac  tttatccgcc  tccatccagt  ctattaattg  ttgccgggaa  gctagagtaa
4101 gtagttcgcc  agttaatagt  ttgcgcaacg  ttgttgccat  gtctacaggc  atcgtggtgt  caccgctcgt  gtttggtatg  gcttcattca  gctccggttc
4201 ccaacgatca  agcgagttta  catgatcccc  catgtttgtc  aaaaaagcgg  ttagctcctt  cggctcctcc  atcgttgtca  gaagtaagtt  gcccgcaatg
4301 ttatcactca  tggttatggc  agcactgcac  aattctctta  ctgtcatgcc  atccgtaaga  tgcttttctg  tgactggtga  gtactcaacc  aagtcattct
4401 gagaatagtg  tatcggcgca  ccgagttgct  cttgcccggc  gtcaatacgg  gttcgatgta  cgccacatag  cagaacttta  aaagtgtcca  tcattggaaa
4501 acgttcttcg  gggcgaaaac  tctcaaggat  cttaccgctg  ttgagatcca  gttcgatgta  acccaactgt  gcacccaact  gatcttcagc  atcttttact
4601 ttcaccagcg  tttctgggtg  agcaaaaaca  ggaaggcaaa  atgccgcaaa  aaagggaata  agggcgacac  ggaaatgttg  aatactcata  ctcttccctt
4701 ttcaatatta  ttgaagcatt  tatcaggggt  attgtctcat  gagcggatcc  atatttgaat  gtatttagaa  aaataaacaa  ataggggttc  cgcgcacatt
4801 tccccgaaaa  gtgccacctg  acgtctaaga  aaccattatt  atcatgacat  taacctataa  aatatggcgt  atcacgaggc  cctttcgtc

```

> RDC1885 Translated Insert Sequence

```

1  mrlilvaplll  awvagataav  pvpwhvpcp  pqcacqirpw  ytrpsysrea  ttvdcndflf  tavppalpag  tqtlillqns  ivrvdqsels  ylanlteldl
101  sqnsfsdard  cdfhalpqll  slhleenqlt  rledhsfagl  aslgelylnh  nqlyriapra  fsglsnllrl  hlslslrrai  dsrwfemlpp  leilmiggnk
201  vdailldmnfr  planlrslvl  agmnlreis  yaleglqsl  slsfydnqla  rvprraleqv  pglklfldlnk  nplqrvgpgd  fanmlhlkel  glnmeeivs
301  idkfalvnlp  eltklditnn  prlsfihpra  fhhlpgmetl  mlnnalsal  hqgtveslpn  lqevglhgnp  ircdcvirwa  natgtrvrfi  epqstlcaep
401  pdlqrlpvre  vpfremtdhc  lplisprsf  pslqvasges  mvlhcralae  pepeiywvtp  aglrtpaha  grryrvypeg  tlelrrvtae  eaglytcvaq
501  nlvgadtktv  svvvgrallq  pgrdeggle  lrvqethpyh  illswtppn  tvstnlwtss  asslrgggat  alarlpgrth  synitrlilqa  teywaclqva
601  fadahtqlac  vwartkeats  chralgdrpg  liaialavli  llaaglaahl  gtgprkgvg  grplppawa  fwgwsapsvr  vvsaplvlpw  nprgklprss
701  egetllppls  qns

```