

Specifications:

Gene:	hISLR2
Accession:	NP_065902
Insert size:	2250bp
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.

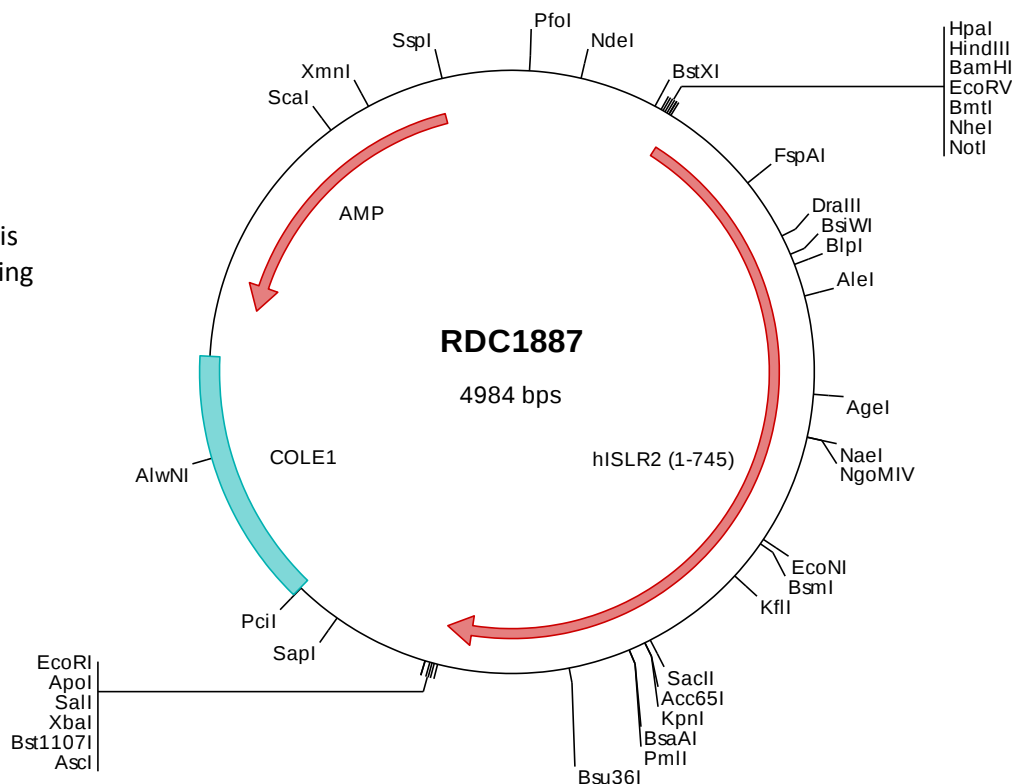
hISLR-2 cDNA Plasmid

ISLR2 immunoglobulin
superfamily containing leucine
rich repeat 2 [*Homo sapiens*
(human)]

Also known as: LINX

Summary:

ISLR2 is a member of the immunoglobulin superfamily. It is required for axon extension during neural development.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1887 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccg  gagacgggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccg
101  tcaggggcgcg  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  ggatccgata  tcgctagcgc  ggccgcaccc  atgttcccc  ttccggccct  gtggttggtc  tgggcgcttc  taggagtggc
501  cggatcactgc  ccggagacgt  gcgcctcgct  ggacaagtac  gctcaccagt  tcgcggaact  cgtttacaaa  gagttgcgtg  aggtgccgga  aggactgcct
601  gccaacgtga  cgaagcttag  tctgtccgcg  aacaagatca  ctgtgtcgcg  gcgcggggcc  ttccgcgaag  tcacacaggt  cacgtcgctg  tggctggcgc
701  acaatggagt  gcgcacgtg  gaggcaggcg  cactggccgt  gctgagtcag  ctcaagaacc  tcgatatgag  ccacaacttc  atatccagct  ttccgtggag
801  cgacctgcgc  aacctgagcg  cgctgcagct  gctcaaatg  aaccacaacc  gcctgggctc  tctgccccgg  gacgcactcg  gtgcgctacc  cgacctgcgt
901  tccctgcgca  tcaacaacaa  ccggctgcgt  acgtggcgcg  ctggcacctt  cgacgcgctt  agcgcgctgt  cacaacttga  actctatcac  aatcccttcc
1001  actgcggctg  cggccttgct  ttggatcgag  cctgggcgcg  gtagcaccgg  gtgtccttac  ccgagcccg  ctccattgct  tgtgcctcgc  ctcccgcgct
1101  gcagggggtg  ccggtgtacc  gctgccccgc  cctgcctgt  gcaccgcccc  gcgtgcatt  gaggtcgag  ccacgccttg  aagcaccccg  caccocactg
1201  cgcgccaggac  tggcgcttct  gttacactgc  atcgccgacg  gccaccctac  gctcgcctg  caatggcaac  ttcagatccc  ccgtggcacc  gtagtcttag
1301  agccaccgtt  tctgagcggg  gaggcagcag  ggggttgggg  ggagcaccgg  gtgtccttac  gagatgggga  tttgtctgac  tgtgcctcgc  ctcccgcgct
1401  gactccagca  ccgccttgct  ccgcgcccc  agccacaccc  cgcttctctg  ccttcgcaaa  tggctccctg  ttggtgcccc  tcttgagtgc  caaggaggcg
1501  ggcgctetaca  cttgcgctgc  acacaatgag  ctggggcgca  actctacgtc  aatacgcgtg  gcggtggcag  caaccgggcc  cccaaaacac  gcgcctggcg
1601  ccgggggaga  acccgacgga  caggccccga  cctctgagcg  caagtccaac  gccaaaggcc  ggggcaacag  cgtcctgcct  tccaaaaccc  agggcaaaat
1701  caaaggccaa  ggcttgccca  agtctacgat  tctcggggag  accgagacgg  agccgagga  ggacacaaat  gagggagagg  aggcgaaga  ccagatccct
1801  gcggaaccgg  cggaggagca  gcgctgtggc  aaocgggacc  cctctcggt  cgtttctaac  caccggttca  accagagcgc  agagctcaag  ccgcacgtct
1901  tctgagcgtg  cgtcatcgcg  ttggatgtgg  cggagcgggt  ggcgcgggtg  cagtgcactc  cgctggctgc  gcgctggggc  cctggggccc  ctggggcgct
2001  ccggagcccc  cgacccgggc  ggccgcccc  gcgcctactc  tatctgtgtc  cagcgggggg  ccgcgcggca  gtgcagtgg  cccgcgtaga  ggaaggcgct
2101  aacgcctact  ggttcgcgg  cctcgccgcg  ggtaccaact  actcctgtgt  cctggcgctg  gcgggcgaag  cctgccactg  gccagtgggt  tttccacca
2201  agaaggagct  tccatcgata  ctggtcgtg  tggcagttag  cgtattccct  ctggtgcctg  ccacagtgcc  cctctgggg  cccgcgttag  ggaaggcgct
2301  ggctaaacac  ccgggcaagc  cctacccgtt  gatcctgcgg  cctcaggccc  ctgacctgtg  cccagctcgt  ggagaagcgc  atcgcccgag  acttcgaccc
2401  taccctagct  ccgagaaaa  ctaccggcga  ggccggcagg  cggcgccgca  ggagcagagg  gacgtgcagg  gggaggggct  tgaatgaag  ccggagcagg
2501  gagaccacac  tggggacctg  cagagagagg  ggccctggcg  aacatcgccc  aggagattaa  tggcaactac  aggcagacgg  caggctaagg  ccgcgcagta
2601  tgagtacagc  tgcggctgc  cctcggcgcg  cgaggcgctc  tctctagctt  ggcgtaatca  tggctatagc  tggtaattgt  tgtaattgt  tctccgctca
2701  tactctagac  tcgacacccg  gggaaatcct  cgagcgctcg  tctctagctt  ggcgtaatca  tggctatagc  tggtaattgt  tgtaattgt  tctccgctca
2801  caattccaca  caacatacga  gccggaagca  taaagtgtaa  agcctggggt  gcctaatgag  tgagctaact  cacattaatt  ggtgtgcgt  cactgcccc
2901  tttccagtcg  ggaacacctg  cgtgccagct  gcattaatga  atcgcccaac  gcgcggggag  aggcggtttg  cgtattgggc  gctcttcgc  ttccctcgct
3001  actgactcgc  tggactcggt  cgtcggctg  tatcagctca  ctaaaaggcg  gtaatacgg  gtaatacgg  gtaatacgg  gtaatacgg  gtaatacgg
3101  agaacatgtg  agcaaaaagg  cagcaaaaag  ccaggaaacc  taaaaaggcc  gcgttgcgtg  cgtttttcca  taggtccgc  cccctcgacg  agcatcaca
3201  aaatcgacgc  tccatcgata  ggttgccaaa  ccgcacagga  ctataaagat  accaggctgt  tccccctgga  agctccctgc  tgcgctctcc  tgttccgacc
3301  ctgcgcgtca  ccgataacct  gtcgcctctg  gtcgcctctg  gaagcgtggc  gctttctcaa  tgctacgct  gtaggtatct  catgttcggt  taggtcgctt
3401  gctccaagct  gggctgtgtg  cagcaacccc  ccgttcagcc  gcagcgtgct  gccttatccg  gtaactatcg  tcttgagtc  aaccgggtaa  gacacgactt
3501  atcgccaact  gcagcagcca  ctggttaacg  gattagcaga  gcgaggtatg  taggcggtgc  tacagagttc  ttgaagtgt  ggcctaacta  ccgctacact
3601  agaaggacag  tatttggtat  ctgcgctctg  ctgaagcagc  ttactctcgg  aaaaagagtt  ggtagctctt  gatccggcaa  acaaacacc  gctggtagcg
3701  gtggtttttt  tgtttgcaag  cagcagatta  cgcgcagaaa  aaaaggatct  caagaagatc  ctttgatctt  ttctacgggg  tctgacgctc  agtggaacga
3801  aaactcacgt  taagggattt  tggatcatg  attatcaaaa  aggatcttca  cctagatcct  tttaaatata  aaatgaagt  ttaaatcaat  ctaaagtata
3901  tatgagtaaa  cttggtctga  tgcttaacca  gtgagggacc  tatctcagcg  atctgtctat  ttctgtctat  ttctgtctat  ttctgtctat  ttctgtctat
4001  tcgtgtagat  aactacgata  cgggagggct  taccatctgg  cccagtgct  gcaatgatac  cgcgagaccc  acgctcaccg  gctccagatt  tatcagcaat
4101  aaaccagcca  gccggaagg  ccgagcgag  aagtggtcct  gcaactttat  ccgcctccat  ccagctcatt  aattgttgcc  gggagctag  agtaagtagt
4201  tcgccagtta  atagtttgcg  caacgttgtt  gccattgcta  caggcatcgt  ggtgtcacgc  tcgtcgtttg  gtatggttc  attcagctcc  ggttcccaac
4301  gatcaaggcg  agttacatga  tcccccatgt  tgtgcaaaaa  agcggttagc  tcttcggtc  ctccgatcgt  tgtcagaagt  aagttggccg  cagtgttatc
4401  actcatggtt  atggcagcac  tgcatatttc  tcttactgtc  atgcatcccg  taagatgctt  ttctgtgact  ggtgagtact  caaccaagtc  attctgagaa
4501  tagtgtatgc  ggcgaccgag  ttgctcttgc  ccggcgtaaa  tacgggataa  taaccggcca  catagcagaa  ctttaaaagt  gctcatcatt  ggaacacgct
4601  cttcgggggc  aaaactctca  aggatcttac  cgctgttgag  atccagttcg  atgtaaccca  ctcgtgcacc  caactgatct  tcagcatctt  ttactttcac
4701  cagcgtttct  gggtagagca  aaacaggaag  gcaaaatgcc  gcaaaaagg  gaataaggcg  gacacggaaa  tggtgaatac  tctactctt  cctttttcaa
4801  tattattgaa  gcattttatc  gggttattgt  ctcagcagcg  gatacatatt  tgaattgtat  tagaaaaata  acaaaatagg  gttccgcgc  acatttcccc
4901  gaaaagtgcc  acctgacgtc  taagaaacca  ttattatcat  gacattaacc  tataaaaaata  ggcgtatcac  gaggcccttt  cgctc

```

> RDC1887 Translated Insert Sequence

```

1  mfpalralwlv  wallgvagsc  pepcacvdky  ahqfadcaay  elrevpeglp  anvtllslsa  nkitvlrrga  fadvttqvtsl  wlahnevrtv  epgalavlsq
101  lknldlshnf  issfpwsdlr  nlsalqlklm  nhnrlgslpr  dalgalpdlr  slrinnnrlr  tlapgtfdal  salshlqllyh  npfhcgcglv  wlqawaastr
201  vslepdsia  casppalggv  pvyrlpalpc  appsvhlsae  ppleapgtpl  raglafvlhc  iadghptprl  qwqlqipggt  vvleppvlsg  eddgvgaeeg
301  egegddllt  qtqagtptpa  pawpappatp  rflalangsl  lvpllsakea  gvytcrahne  lganstsirov  avaatgppkh  apgaggepdg  qaptserkst
401  akgrgnsvl  skpegkikgq  glakvslilge  tetepeedts  egeeaedqil  adpaeecrcg  ngdpsryvsn  hafnqsaek  phvfelgvia  ldvaerearv
501  qltplaarwg  ppgpgaggap  rpgrprlrl  ylcpgaggaa  vqwsrveegv  naywfrglrp  gtnysvclal  ageachvqv  fstkkelpsl  lvivavsvfl
601  lvlatvpill  aacchllakh  pgkpyrlilr  pqapdpmekr  iaadfdpras  yleseksypa  ggeaggeepe  dvqgeglded  aeegdpdsgd  qreeslaacs
701  lvesqskanq  eefeagseys  drlplgaeav  niaqeingny  rqtga

```