

Specifications:

Gene:	<i>h</i> KIR3DL2
Accession:	NP_006728
Insert size:	1381bp
Concentration:	10µg at 0.2µg/µL

*h*KIR3DL2/CD158k cDNA Plasmid

**KIR3DL2 killer cell
immunoglobulin like receptor,
three Ig domains and long
cytoplasmic tail 2 [*Homo sapiens* (human)]**

Also known as: 3DL2; p140;
NKAT4; CD158K; NKAT-4; NKAT4B;
KIR-3DL2

Summary:

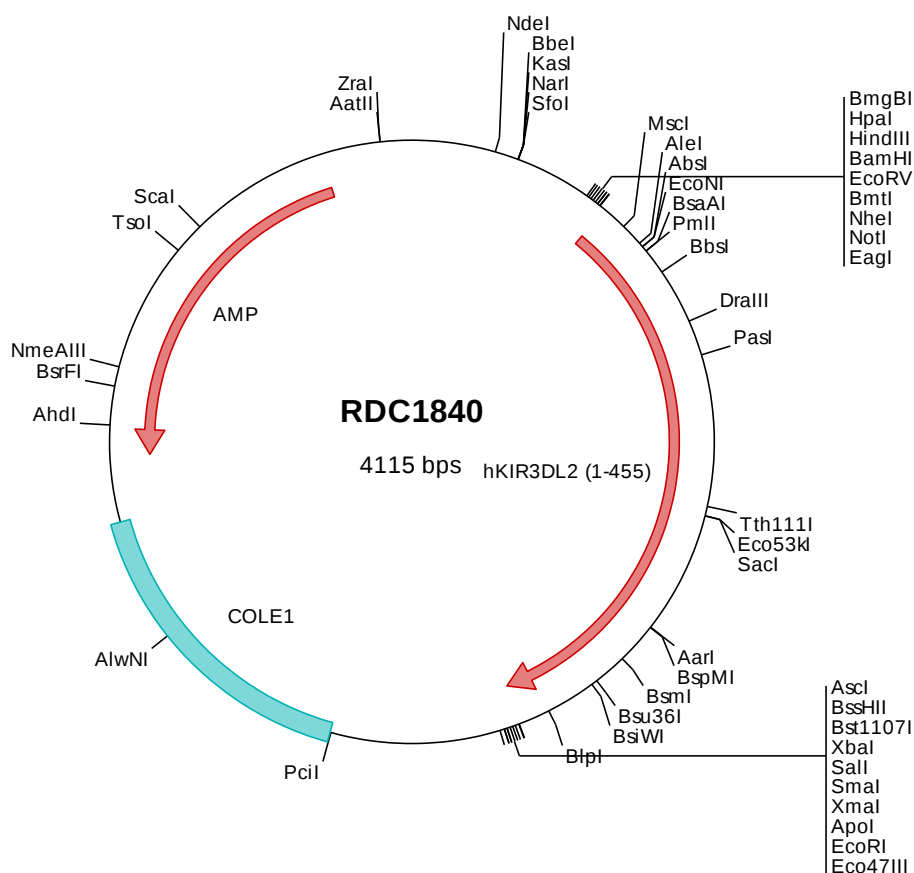
KIR3DL2 is a killer cell immunoglobulin-like receptor. It is a transmembrane glycoprotein expressed by natural killer cells and subsets of T cells. KIR3DL2 contains a long cytoplasmic domain which transduces inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM). The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response. 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1840 Plasmid DNA Sequence

```

1  tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcaccc  atgtcgctca  cggtcgtcag  catggcgctgc  gttgggttct  tcttgctgca
501  gggggccctg  ccactcatgg  gtggtcagga  caaacocctt  cgtgtcgccc  ggcccagcac  tgtgtgtcct  cgaggaggac  acgtggctct  tcagtgtcac
601  tatcgtcgtg  ggtttaacaa  ttctatgctg  tacaaaaga  acagaagcca  cgttcccatc  ttccacggca  gaatattcca  ggagagcttc  atcatggggc
701  cctgtgaccc  agcacatgca  gggacctaca  gatgtcgggg  ttacgcacca  cactccctca  ctgggtggto  ggcaaccagc  aacccctgg  tgatcatggt
801  cacaggaaac  cacagaaac  cttccctcct  ggcccaccca  gggccctcgc  tgaatcagg  agagacagtc  atcctgcaat  gttggtcaga  tgcattgttt
901  gagcacttct  ttctgcacag  agaggggagc  tctgaggacc  cctcacgctc  cgttggacag  atccatgatg  ggttctccaa  ggccaacttc  tccatcggtc
1001  ccttgatgcc  tgtccttgca  ggaacctaca  gatgttatgg  ttctgttcc  cactccctc  atcagttgtc  agtccctggt  gacccctgg  acatcgatgt
1101  cacaggtcta  tatgagaac  cttctctctc  agcccagcgc  ggccccacgg  ttcaggcagg  agagaacgtg  accttgtcct  gtatgctcct  gagctcctat
1201  gacatctacc  atctgtccag  ggaaggggag  gcccatgaac  gtatggtcgc  tgcagtgcgc  aaggtcaaca  gaacattcca  ggcagacttc  cctctggggc
1301  atggcaccca  cggaggggac  tacagatgct  tcggctcttt  ccgtgcccgt  cctgtcgctg  aagtgaacca  aagtgaccca  atcagttgtt  ctctcagagg
1401  aaacccctca  agtagttggc  cttcaccacc  agaaccacgc  tccaaatctg  gtatctcgag  acacctgcac  gttctgattg  ggacccagtc  ggtcattctc
1501  ctcttctacc  tctctctctt  cttctctctt  tatcgtcgtg  gctccaacaa  aaagaatgct  gctgtaatgg  accaagagcc  tgcggggggc  agaacagtga
1601  atagtcagca  ctctgagtag  caagaccctc  aggaggtgac  gtacgcacca  ttgtgtcact  cgtgttctat  acagagaaaa  atcagtcgcc  atctcagagg
1701  gcccaagaca  cccctaacag  ataccagcgt  gtacacggaa  cttccaaatg  ctgagccagc  atccaaagt  gtctcctgcc  caccagcacc  acagtcaggt
1801  cttgaggggg  ttttotaagg  gcgcgcagtc  atactctaga  gtgcacaccc  gggaattcc  tcgagcgctc  gtctctagct  tggcgtaatc  atggtcatag
1901  ctgtttcctg  tgtgaaattg  ttatccgctc  acaattccac  acaacatag  agccggaagc  ataaagtgt  aagcctgggg  tgcctaata  gtgagctaac
2001  tcacattaat  tgcgtttggc  tcaactgccg  ctttccagtc  gggaaccctg  tcgtgccagc  tgcattaatg  aatcggccaa  cgcgcgggga  gaggcggttt
2101  gcgtattggg  cgtctctccg  ctctctcgtc  cactgactcg  ctgcgctcgg  tcgttcgggt  gcggcgagcg  gtatcagctc  actcaaaggc  ggtaatacgg
2201  ttatccacag  aatcagggga  taacacagga  aagaacatgt  gagcaaaaag  ccagcaaaa  aggtggcgaa  acccgacagc  actataaaga  taccagcgct
2301  ataggccccc  ccccccgtac  gagcatcaca  aaaatcgacg  ctcaagtcag  aggtggcgaa  acccgacagc  actataaaga  taccagcgct  tttcccctgg
2401  aagctccctc  gtgcgctctc  ctgttccgac  ccgtccgctt  accggatacc  tctccgctt  tctccgctt  ggaagcgtgg  cgccttatcc  ggtaactatc
2501  tgtaggtatc  tcagttcggg  gtatgctcgt  cgtctcaacc  tgggtctgtg  gcacgaaccc  cccgttcagc  ccgaccgctg  cgccttatcc  ggtaactatc
2601  gtcttgagtc  caacccggta  agacacgact  tatcgccact  ggcagcagcc  actggttaac  ggattagcag  agcgaggtat  gtaggcggtg  ctacagagtt
2701  cttgaagtgg  tggcctaact  cggctacac  tagaaggaca  gttattggta  tctgcgctct  gctgaagcca  gttaccttgc  gaaaaagagt  tggtagctct
2801  tgatccggca  acaaaaccac  cgttggtagc  ggttggtttt  ttgtttgcaa  gcagcagatt  acgcgcagaa  aaaaaggatc  tcaagaagat  cctttgatct
2901  tttctacggg  gtctgacgct  cagtggaaac  aaaactcacg  ttaagggatt  ttggtcatga  gattatcaaa  aaggatcttc  acctagatcc  ttttaaat  ta
3001  aaaatgaagt  tttaaatcaa  tctaaagtat  atatgagtaa  acttggctcg  acagttacca  atgcttaatc  ttaccatctg  gcccagtgcc  tgcaatttta
3101  tttcgttcat  ccatagttgc  ctgactcccc  gtctgttaga  taactacgat  acgggagggc  ttaccatctg  gcccagtgcc  tgcaatttta  tccgcctcca
3201  cagctccacc  ggtccagat  ttatcagcaa  taaaccagcc  agccggaagc  gcgagcgcca  gaagtgggtc  tgcaatttta  tccgcctcca  tccagtcctt
3301  taattgttgc  cgggaagcta  gagtaagtag  ttgcgcagtt  aatagtttgc  gcaacgttgt  tgccattgct  acaggcatcg  tgggtgtcac  ctgctcggtt
3401  ggtatggctt  cattcagctc  cgttcccaa  cgatcaagcc  gagttacatg  atcccccatg  ttgtgcacaa  aagcggttag  ctccctcggt  cctccgatcg
3501  ttgtcagaag  taagtgtgac  gcagtgttat  cactcatggt  tatggcagca  ctgcataatt  ctcttactgt  catgccatcc  gtaagatgct  tttctgtgac
3601  tgggtgagta  tcaaccaagt  cattctgaga  atagtgtatg  cggcgaccca  gttgctcttg  cccggcgta  atacgggata  ataccgcgcc  acatagcaga
3701  actttaaaag  tgctcatcat  tggaaaacgt  tcttcggggc  gaaaactctc  aaggatctta  ccgctgttga  gatccagttc  gatgtaaccc  actcgtgcac
3801  ccaactgac  ttcagcatct  tttactttca  ccagcgtttc  tgggtgagca  aaaaacaggaa  ggcaaaatgc  cgcaaaaaag  ggaataagg  cgacacggaa
3901  atgttgaaata  ctcatactct  tcttttttca  atattattga  agcattttac  agggttattg  tctcatgagc  ggatacatat  ttgaattgat  ttagaaaaat
4001  aaacaaatag  gggttccgcg  cacatttccc  cgaaaagtgc  cacctgacgt  ctaagaaacc  attattatca  tgacattaac  ctataaaaat  aggcgtatca
4101  cgaggccctt  tcgtc

```

> RDC1840 Translated Insert Sequence

```

1  msltvvsmac  vgffllqgaw  plmaggdkpf  lsarpstvpv  rgghvalqch  yrrgfnfml  ykedrshvpi  fhgrifqesf  imgpvtpaha  gtyrcrgsrp
101  hsltgwsaps  nplvimvtgn  hrkpsllahp  gpilksgetv  ilqcwsdvmf  ehflfhregi  sedpsrlvqg  ihdgvskanf  sigplmpvla  gtyrcygsvp
201  hspyqlsaps  dpldivitgl  yekpslsaqp  gptvqagenv  tlcscswssy  diyhlsrege  aherrlravp  knvrtfqadf  plgpathggt  yrcfgsfral
301  pcvwsnssdp  llvsvtgnps  sswpspteps  sksgicrhlg  vligtsvvi  lfilllffll  yrwcnsnkna  avmdqepagd  rtvnqrqdsd  qdpqevtyaq
401  ldhcvfiqrk  isrpsqrpkt  pltdtsvyte  lpnaeprskv  vscrapraqsg  legvf

```