# *h*CD161 VersaClone cDNA

**Catalog Number: RDC1672**

## Specifications:

| | |
|---|---|
| Gene: | *h*KLRB1 |
| Accession: | NP_002249 |
| Insert size: | 691bp |
| 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

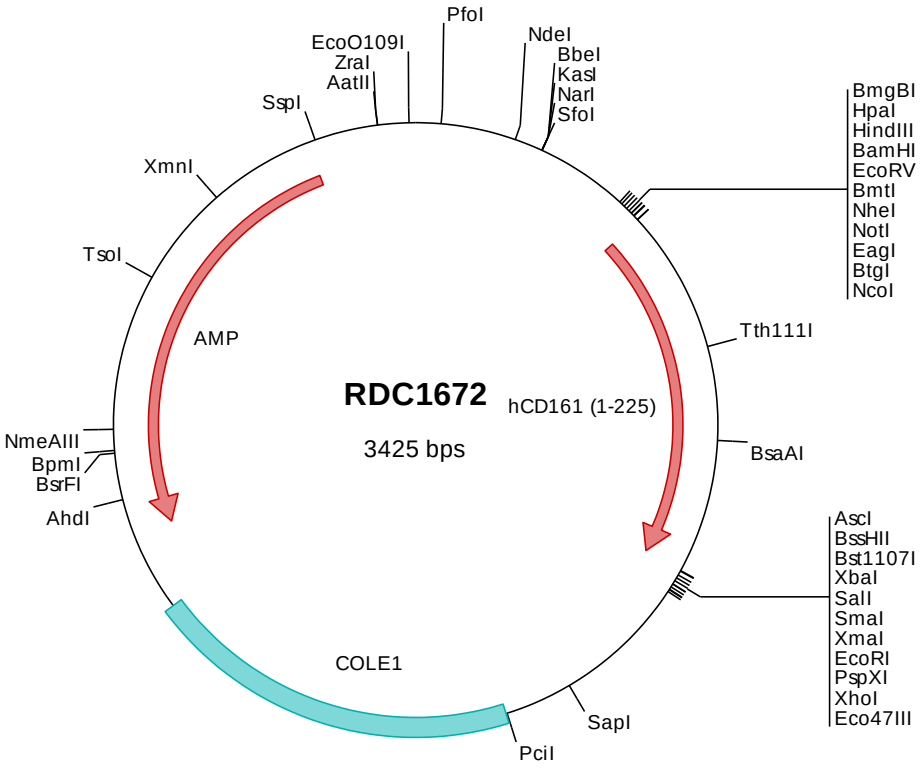
| | |
|---|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5 |
| Shipping | Ships at ambient temperature |
| Stability | 1 year from date of receipt when stored at -20°C to -80°C |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

# *h*CD161 cDNA Plasmid

**KLRB1 killer cell lectin like receptor B1 [ *Homo sapiens* (human) ]**

**Also known as:** NKR; CD161; CLEC5B; NKR-P1; NKRP1A; NKR-P1A; hNKR-P1A

**Summary:**
CD161 is a type II transmembrane protein in the killer cell lectin-like receptor family. CD161 is expressed as a disulfide-linked homodimer on the surface of NK cells and subpopulations of NKT, $CD4^+$, $CD8^+$, and gamma /δ T cells. Its cross-linking on NK cells induces cytolytic activity, and on CD4 cells it promotes IgE production and the expansion of Th2 responses.




FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS™
a bio-techne brand

## > RDC1672 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggaccaac aagcaatata tgctgagtta aacttaccca cagactcagg
 501  cccagaaagt tcttcacctt catctcttcc tcgggatgtc tgtcagggtt caccttggca tcaatttgcc ctgaaactta gctgtgctgg gattattctc
 601  cttgtcttgg ttgttactgg gttgagtgtt tcagtgacat ccttaatacа gaaatcatca atagaaaaat gcagtgtgga cattcaacag agcaggaata
 701  aaacaacaga gagaccgggt ctcttaaact gcccaatata ttggcagcaa ctccgagaga aatgcttgtt attttctcac actgtcaacc cttggaataa
 801  cagtctagct gattgttcca ccaaagaatc cagcctgctg cttattcgag ataaggatga attgatacac acacagaacc tgatacgtga caaagcaatt
 901  ctgttttgga ttggattaaa tttttcatta tcagaaaaga actggaagtg gataaacggc tctttttttaa attctaatga cttagaaatt agaggtgatg
1001  ctaaagaaaa cagctgtatt tccatctcac agacatctgt gtattctgag tactgtagta cagaaatcag atggatctgc caaaaagaac taacacctgt
1101  gagaaataaa gtgtatcctg actcttaaag gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc
1201  atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga
1301  gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga
1401  gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc
1501  ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg
1601  gcgtttttcc ataggctccg cccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt
1701  ttcccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca
1801  atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc
1901  ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc actggtaaca ggattagcag agcgaggtat gtaggcggtg
2001  ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta tctgcgctct gctgaagcca gttaccttcg gaaaaagagt
2101  tggtagctct tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat
2201  cctttgatct tttctacggg gtctgacgct cagtggaacg aaaactcacg ttaagggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc
2301  ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggtctg acagttacca atgcttaatc agtgaggcac ctatctcagc
2401  gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc ttaccatctg gccccagtgc tgcaatgata
2501  ccgcgagacc cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtggtcc tgcaacttta tccgcctcca
2601  tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgccattgct acaggcatcg tggtgtcacg
2701  ctcgtcgttt ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg atcccccatg ttgtgcaaaa aagcggttag ctccttcggt
2801  cctccgatcg ttgtcagaag taagttggcc gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct
2901  tttctgtgac tggtgagtac tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg cccggcgtca atacgggata ataccgcgcc
3001  acatagcaga actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc
3101  actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg
3201  cgacacggaa atgttgaata ctcatactct tccttttca atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat
3301  ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc attattatca tgacattaac ctataaaaat
3401  aggcgtatca cgaggccctt tcgtc
```

## > RDC1672 Translated Insert Sequence

```
  1  mdqqaiyael nlptdsgpes sspsslprdv cqgspwhqfa lklscagiil lvlvvtglsv svtsliqkss iekcsvdiqq srnktterpg llncpiywqq
101  lrekcllfsh tvnpwnnsla dcstkessll lirdkdelih tqnlirdkai lfwiglnfsl seknwkwing sflnsndlei rgdakensci sisqtsvyse
201  ycsteirwic qkeltpvrnk vypds
```