

Specifications:

Gene:	hCXCR2
Accession:	AAB25880
Insert size:	1081bp
Package size:	10µg at 0.2µg/µL

hCXCR2/IL-8RB cDNA Plasmid

CXCR2 chemokine (C-X-C motif) receptor 2 [*Homo sapiens*]

Also known as: CD182; IL8R2; IL8RB; CMKAR2; CDw128b

Summary:

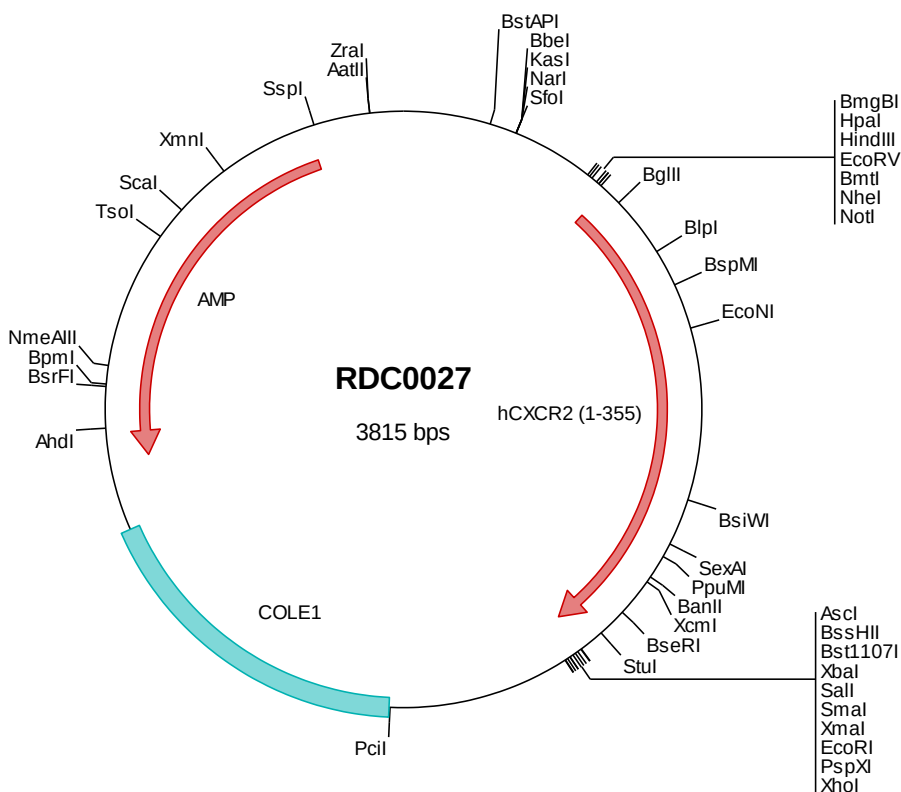
CXCR2 is a member of the G-protein-coupled receptor family. It is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. CXCR2 also mediates neutrophil migration to sites of inflammation.

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.





> RDC0027 Plasmid DNA Sequence

```
1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgccacc atggagagtg acagctttga agattttctgg aaaggtgaag atcttagtaa
501  ttacagttac agctctaccc tgcccccttt tctactagat gccgccccat gtgaaccaga atccctggaa atcaacaagt atttgttgtt cattatctat
601  ggcctgggtat tctgtctgag cctgtctggga aactccctcg tgatgttgtt catcttatac agcagggtcg gccgtccgtt cactgatgtc taactgtgta
701  acctagcctt ggcgcagccta ctctttgcc tcaccttgc cactctggcc gcctccaaag tgaatggctg gatttttggc acattctctg gcaaggttgt
801  ctcaactcctg aagggaagtca actctatag ttggatcctg ctactggcct gaatcagtgt ggaccgttac ctggccattg tccatgccac acgcacactg
901  accagaagc gctaacttgtt caaatccta tgtctcagca tctgggtctt gtcttctctc ctggccctgc ctgtcttact tttccgaagg accgtctact
1001 catccaaagt tagccagcc tgctatgagg acatgggcaa caatacagca aactggcgga tgctgttacc gatctgccc cagtcccttg gcttcacgtg
1101 gccactgtg atcatgtgtt tctgtacgg attcaccctg cgtacgctgt ttaaggccca catggggcag aagcaccggg ccatgcccgtt catctttgct
1201 gtcgtctccta tcttctctgt ttgtgtgtg cctacaacc ttgtctctgt ggacagacac ctcatgagga ccaggtgat ccaggagacc tgtgagcgcc
1301 gcaatcacat cgacggggct ctggatgcc cagagattct gggcatcctt cacagctgcc tcaaccccc ctctctacgcc ttcattggcc agaagtttgc
1401 ccatggactc ctcaagattc tagctataca ttgcttgatc agcaaggact ccttgcccaa agacagcagg ccttcccttg ttggctcttc ttcaggggcac
1501 acttccacta ctctctaaag gcgcgccagt atactctaga gtgcacacc gggaatttcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag
1601 ctgtttctctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgtg aagcctgggg tgccctaatga gtgagctaac
1701 tcacattaat tgcgtttgcgc tcaactgccg ctttccagtc gggaaacctg tctgtgccag tgcattaatg aatcggccaa cgcgcgggga gaggcggttt
1801 gcgtattggg cgtctctccg cttcctcgtc cactgactcg ctgcgctcgg tctgtccgct gcggcgagcg gtatcagctc actcaaggc ggtaatacgg
1901 ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgtttgtg cgttttttcc
2001 ataggctccg cccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttccccctgg
2101 aagctccctc gtgcgctctc ctgttccgac cctgcgctt acccgatacc ttgtccgctt tctcccttcg ggaagcgttg cgttttctca atgctcacgc
2201 tgtaggtatc tcagttcggg ttaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc ccgaccgtg cgccttatcc ggtaactatc
2301 gtcttgagtc caaccgggta agacacgact tatcgccact ggcagcagcc actggttaaca ggattagcag agcgaggtat gtaggcggtg ctacagagtt
2401 cttgaagtgg ttgcctaact acggctacac tagaaggaca gtattttgta tctgcgctct gctgaagcca gttaccttgc gaaaaagagt tggtagctct
2501 tgatccggca aacaaaccac cgtcgttagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct
2601 tttctacggg gtctgacgct cagtggaaacg aaaactcacg ttaaggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaatta
2701 aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggctcg acagttaacca atgcttaato agtgaggcac ctatctcagc gatctgtcta
2801 tttcgttcat ccatagttgc ctgactcccc gtctgttaga taactacgat acgggagggc ttaccatctg gccccagtgc tgcaatgata ccgcgagacc
2901 cagctcacc ggtccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtgttcc tgcaacttta tccgcctcca tccagctctat
3001 taattgttgc cgggaagcta gagtaagtag ttgcagctt aatagtttgc gcaacgttgt tgccattgct acaggcatcg ttgtgtcacg ctctgtcttt
3101 ggtatggctt cattcagctc cgttcccaa cgatcaaggc gagttacatg atccccatg ttgtgcaaaa aagcggttag ctcttctggt cctccgatcg
3201 ttgtcagaag taagtggcc gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac
3301 ttggtgagtag toaaccaagt cattctgaga atagtgtatg cggcgaccca gttgctcttg cccggcgctc atacgggata ataccgcgcc acatagcaga
3401 accttaaaag tgctcatcat ttgaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac
3501 ccaactgac ttcagcatct tttactttca ccagcgttcc tgggtgagca aaaaacaggaa ggcaaaatgc cgcaaaaag ggaataaggg cgacacggaa
3601 atgttgaata ctcatactct tcttttttca atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttgaaaaaat
3701 aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cactgcagct ctaagaaccc attattatca tgacattaac ctataaaaat aggcgtatca
3801 cgaggccctt tcgtc
```

> RDC0027 Translated Insert Sequence

```
1   mesdsfedfw kgedlsnysy sstlppflld aapcepesle inkyfvviiv alvflslslg nslvmlvily srvgsvtdv yllnlaladl lfaltlpiwa
101  askvngwifg tflckvvsll kevnfygsl llacisvdry laivhatrtl tqkrylvkfi clsiwglsl lalpvllfr tvyssnvspa cyedmgnta
201  nwrmlrlilp qsfqfivp1l imlfcygftl rtlfkahmqg khramrvifa vvlifllcwl pynlvlladt lmrtqviqet cernnhidra ldateilgil
301  hsclnpliya figqkfrhgl lkilaihgli skdslpkdsr psfvgsessh tsttl
```