

Specifications:

Gene:	hGPR173
Accession:	NP_061842.1
Insert size:	1135bp
Concentration:	10µg at 0.2µg/µL

hGPR173 cDNA Plasmid

**GPR173 G protein-coupled
receptor 173 [*Homo sapiens*
(human)]**

Also known as: SREB3

Summary:

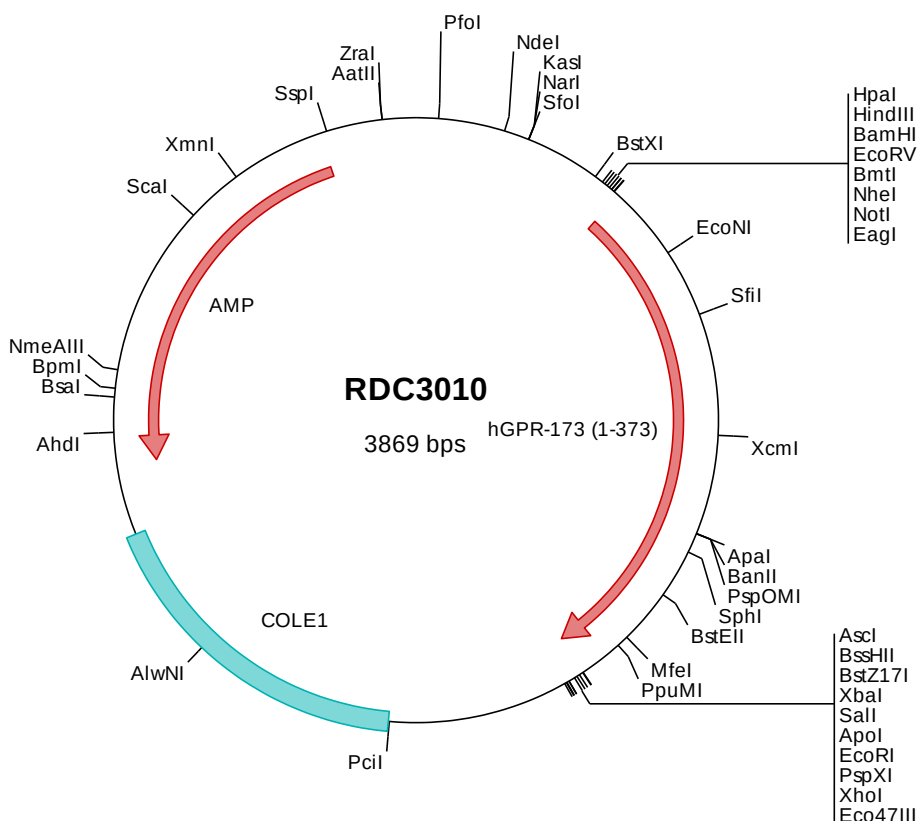
GPR173 is a member of the G-protein coupled receptor 1 family. It contains 7 transmembrane domains and conserved cysteine residues. GRP173 is a receptor for the SMIM20 derived peptides Phoenixin-14 and Phoenixin-20.

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.



> RDC3010 Plasmid DNA Sequence

```

1   tcgcgcgttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccacc  atggccaaca  ctaccggaga  gcctgaggag  gtgagcggcg  ctctgtcccc
501  accgtccgca  tcagcttatg  tgaagctggt  actgctggga  ctgattatgt  gcgtgagcct  ggccggtaac  gccatcttgt  cctctgtggt  gctcaaggag
601  cgtgccttgc  acaaggctcc  ttactacttc  ctgttggaac  tgttgcctgc  cgatggcata  cgtcttgcgc  tetgttccc  ctttgtgtgt  gcttctgtgc
701  gccacggctc  ttcatggacc  ttcaagtgc  tcagctgcaa  gattgtggcc  tttatggcgc  tgctcttttg  cttccatgcg  gccttcacgc  tgttctgcat
801  cagcgtcaac  cgctacatgg  ccatcgccca  ccacgccttc  taocccaagc  goatgacact  ctggacatgc  gcggtgtcoa  tctgcatggc  ctggaccctg
901  totgtggcca  tggccttccc  acctgtcttt  gaactgggca  cctacaagtt  tattcgggag  gaggaccagt  gcattcttga  gcctgcctac  ttcaaggcca
1001  atgacacgct  tggccttcag  ctctgttgg  ctgtgtcat  ggcagctacc  catgctgtct  acggcaagct  gctcctcttc  gagtatcgtc  accgcaagat
1101  gaagccagtg  cagatgtgtg  cagccatcag  ccagaactgg  acattccatg  gtcccggggc  caccggccag  gctgctgcca  actggatcgc  cggctttggc
1201  cgtgggcccc  tggcccaaac  ctctgtgggt  atccggcaga  atgggcatgc  agccagccgg  cggctactgg  gcattggaag  ggtcaagggt  gaaaagcage
1301  tgggcgcgat  gttctacgcg  atcacactgc  cctctgtgct  cctctgtgca  cctacacatg  tgcccgagtg  ctggcgagtg  tttgtgaaag  cctgtgctgt
1401  gcccaaccgc  tacctggcca  ctgctgtttg  gatgagcttc  gcccaggctg  ccgtcaaccc  aattgtctgc  ttctctgctc  acaaggacct  caagaagtgc
1501  ctgaggactc  acgccccctg  ctggggcaca  ggaggtgccc  cggctccag  agaaccctac  tgtgtcatgt  aaaggcgcgc  cagtatactc  tagagtcgac
1601  acccggggaa  ttctctgagc  gctcgtctct  agcttggcgt  aatcatggtc  atagctgttt  cctgtgtgaa  attgttatcc  gctcacatct  ccacacaaca
1701  tacgagccgg  aagcataaag  tgtaaagcct  ggggtgccta  atgagtgaag  taactcacat  taattgcgtt  gcgctcactg  cccgctttcc  agtcgggaaa
1801  cctgtcgtgc  cagctgcatt  aatgaatcgg  ccaacgcgcg  gggagagggc  gtttgcgtat  tgggcgctct  tccgcttcc  cgctcactga  ctctgtcgcg
1901  tcggtcgttc  ggccttcagg  agcggtatca  agcggtaaat  agcggtatcc  acggttatcc  acagaatcag  gggataacgc  aggaagaagc  atgtgacgaa
2001  aaggccagca  aaaggccagg  aaccgtaaaa  aggcgcgctt  gctggcgttt  ttccataggg  tccgcccccc  tgacgagcat  cacaaaaatc  gacgctcaag
2101  tcagaggtgg  cgaaccgcga  caggactata  aagataccag  gcgtttcccc  ctggaagctc  cctcgtgcgc  tctcctgttc  cgaccctgcc  gcttacccga
2201  tacctgtccg  ccttcttccc  ttgcgggaag  gtggcgcttt  ctcaatgctc  acgctgtagg  tatctcagtt  cgggtgtaggt  cgcttcgctc  aagctgggct
2301  gtgtgcacga  acccccgttt  cagcccagcc  gctgcgcctt  atccggtaac  tatcgtcttg  agtccaaccc  ggtaagacac  gacttatcgc  cactggcagc
2401  agccactggt  aacaggatta  gcagagcgag  gtatgtaggc  ggtgctacag  agttcttgaa  gtggtggcct  aactacggtc  acactagaag  gacagtattt
2501  ggatctctgc  ctctgtctga  gccagttacc  ttccgaaaaa  gagttgtag  ctcttgatcc  gcacaacaaa  ccaccgctgg  tagcgggtgt  tttttgtttt
2601  gcaagcagca  gattacgcgc  agaaaaaag  gatctcaaga  agatcctttg  atcttttcta  cggggtctga  cgctcagtg  aacgaaaaat  cactgttaag
2701  gattttgttc  atgagattat  caaaaaggat  cttcacctag  atccttttaa  attaaaaatg  aagttttaaa  tcaatctaaa  gtatatatga  gtaaacttgg
2801  tctgacagtt  accaatgctt  aatcagtgag  gcacctatct  cagcgatctg  tctatttctg  tcatccatag  ttgcctgact  ccccgctgtg  tagataacta
2901  cgatacggga  gggcttacc  tctggcccca  gtgtgccaat  gataccgcga  gacccacgct  caccggctcc  agatttatca  gcaataaacc  agccagccgg
3001  aaggcgccag  cgcagaagtg  gtcctgcaac  tttatccgcc  tccatccagt  ctattaattg  ttgcccggaa  gctagagtaa  gtagtctgcc  agttaatagt
3101  ttgcgcaacg  ttgttgccat  tgcacagggc  atcgtgtgtg  cagcgtcgtc  gtttggtagt  gcttcattca  gctccggttc  ccaacgatca  aggcgagtta
3201  catgatcccc  catgttgtgc  aaaaaagcgg  tttagctcct  cggtcctccg  atcgttgtca  gaagtaagtt  ggccgcagtg  ttatcactca  tggttatggc
3301  agcactgcat  aattctctta  ctgtcatgcc  atccgtaaga  tgcttttctg  tgactggtag  gtactcaacc  aagtcattct  gagaatagtg  tatgcggcga
3401  ccgagttgct  cttgcccgcc  gtcaataacg  gataataccg  gcgccacatg  cagaacttta  aaagtgtctc  tcattggaaa  acgtttcttc  gggcgaaaac
3501  tctcaaggat  cttaccgctg  ttgagatcca  gttcgtatga  acccactcgt  gcaccaact  gatcttcacg  atcttttact  ttaccagcgc  tttctgggtg
3601  agcaaaaaa  ggaaggcaaa  atgccgcaaa  aaagggaata  agggcgacac  ggaatatgtt  aataactata  ctcttctttt  ttcaatatta  ttgaagcatt
3701  tatcagggtt  attgtctcat  gagcggatag  atatttgaat  gtatttagaa  aaataaacia  atagggtgtc  cgccacatt  tccccgaaaa  gtgccacctg
3801  acgtctaaga  aaccattatt  atcatgacat  taacctataa  aaataggcgt  atcacaggcg  cctttctgtc

```

> RDC3010 Translated Insert Sequence

```

1   manttgepee  vsgalsppsa  sayvklvllg  limcvslagn  ailsllvlke  ralhkapyyf  lldlcladgi  rsavcfpfvl  asvrhgsswt  fsalsckiva
101  fmavlfcfha  afmlfcisvt  rymaiahhrf  yakrmtlwtc  aavicmawtl  svamafppvf  dvgtykfire  edgcifehry  fkanntlghm  lmlavlmaat
201  havvgklllf  eyrhrkmkpv  qmvpaissqn  tfhgpgatgq  aanwiafgf  rgpmppptll  irqnhaasr  rllgmdevkg  ekqlgrmfya  itllflllws
301  pyivacywrv  fvkacavphr  ylatavwmsf  aqaavnpivc  flinkdlkkc  lrthapcwgt  ggapaprepy  cvm

```