*h*GPR173 VersaClone cDNA

Catalog Number: RDC3010-GFP

Specifications:

Gene:	*h*GPR173
Accession:	NP_061842.1
Insert size:	1857bp
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

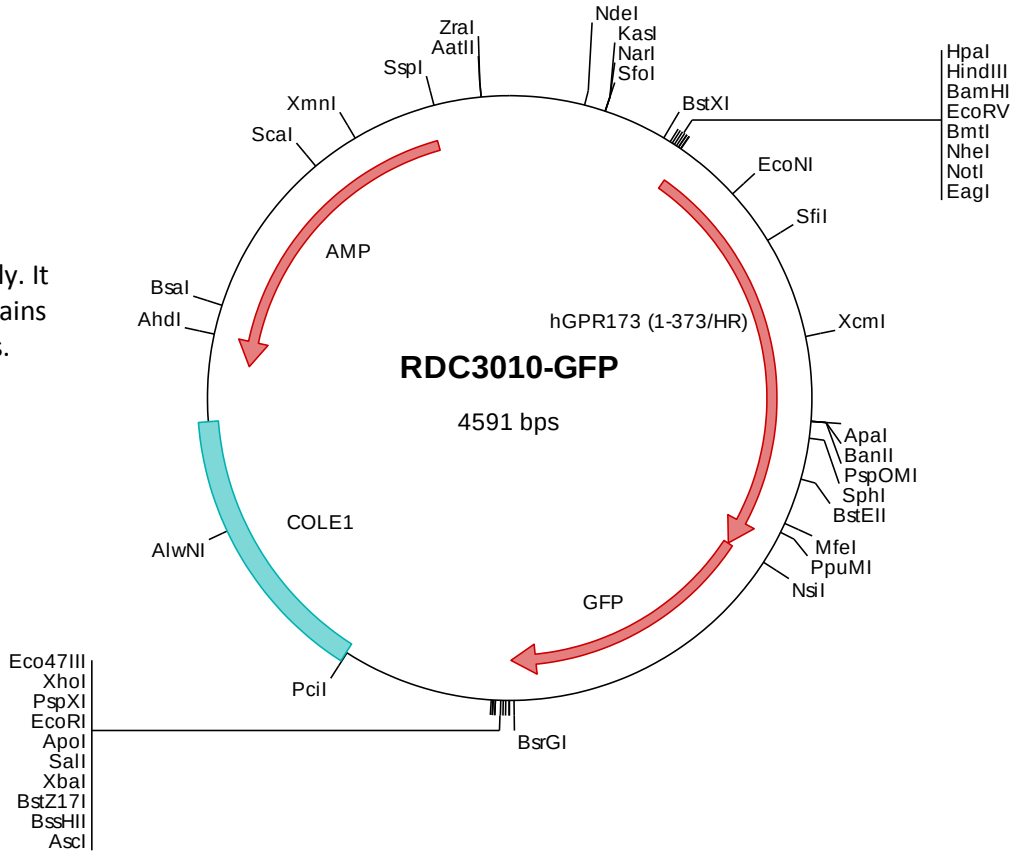
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPR173 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3010-GFP Plasmid DNA Sequence

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   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 atggccaaca ctaccggaga gcctgaggag gtgagcggcg ctctgtcccc
 501  accgtccgca tcagcttatg tgaagctggt actgctggga ctgattatgt gcgtgagcct ggcgggtaac gccatcttgt ccctgctggt gctcaaggag
 601  cgtgccctgc acaaggctcc ttactacttc ctgctggacc tgtgcctggc cgatggcata cgctctgccg tctgcttccc ctttgtgctg gcttctgtgc
 701  gccacggctc ttcatggacc ttcagtgcac tcagctgcaa gattgtggcc tttatggccg tgctcttttg cttccatgcg gccttcatgc tgttctgcat
 801  cagcgtcacc cgctacatgg ccatcgccca ccaccgcttc tacgccaagc gcatgacact ctggacatgc gcggctgtca tctgcatggc ctggaccctg
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1001  atgacacgct gggcttcatg cttatgttgg ctgtgctcat ggcagctacc catgctgtct acggcaagct gctcctcttc gagtatcgtc accgcaagat
1101  gaagccagtg cagatggtgc cagccatcag ccagaactgg acattccatg gtcccggggc caccggccag gctgctgcca actggatcgc cggctttggc
1201  cgtgggccca tgccaccaac cctgctgggt atccggcaga atgggcatgc agccagccgg cggctactgg gcatggacga ggtcaagggt gaaaagcagc
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1601  tcaccggggt ggtgcccatc ctggtcgagc tggacggcga cgtaaacggc cacaagttca gcgtgtccgg cgagggcgag ggcgatgcca cctacggcaa
1701  gctgaccctg aagttcatct gcaccaccgg caagctgccc gtgccctggc ccaccctcgt gaccaccctg acctacggcg tgcagtgctt cagccgctac
1801  cccgaccaca tgaagcagca cgacttcttc aagtccgcca tgcccgaagg ctacgtccag gagcgcacca tcttcttcaa ggacgacggc aactacaaga
1901  cccgcgccga ggtgaagttc gagggcgaca ccctggtgaa ccgcatcgag ctgaagggca tcgacttcaa ggaggacggc aacatcctgg ggcacaagct
2001  ggagtacaac tacaacagcc acaacgtcta tatcatggcc gacaagcaga agaacggcat caaggtgaac ttcaagatcc gccacaacat cgaggacggc
2101  agcgtgcagc tcgccgacca ctaccagcag aacacccccа tcggcgacgg ccccgtgctg ctgcccgaca accactacct gagcacccag tccgccctga
2201  gcaaagaccc caacgagaag cgcgatcaca tggtcctgct ggagttcgtg accgccgccg ggatcactct cggcatggac gagctgtaca agtaaggcgc
2301  gccagtatac tctagagtcg acacccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat
2401  ccgctcacaa ttccacacaa catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac
2501  tgcccgcttt ccagtcggga aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc
2601  ctcgctcact gactcgctgc gctcggtcgt tcggctgcgg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac
2701  gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc
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2901  tccgaccctg ccgcttaccg gatacctgtc cgcctttctc ccttcgggaa gcgtggcgct ttctcaatgc tcacgctgta ggtatctcag ttcggtgtag
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3701  cagcaataaa ccagccagcc ggaagggccg agcgcagaag tggtcctgca actttatccg cctccatcca gtctattaat tgttgccggg aagctagagt
3801  aagtagttcg ccagttaata gtttgcgcaa cgttgttgcc attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt cagctccggt
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4501  tttccccgaa aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcacgag gccctttcgt c
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> RDC3010-GFP Translated Insert Sequence

```
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201  havygklllf eyrhrkmkpv qmvpaisqnw tfhgpgatgq aaanwiagfg rgpmpptllg irqnghaasr rllgmdevkg ekqlgrmfya itllflllws
301  pyivacywrv fvkacavphr ylatavwmsf aqaavnpivc fllnkdlkkc lrthapcwgt ggapaprepy cvmhrmvskg eelftgvvpi lveldgdvng
401  hkfsvsgege gdatygkltl kficttgklp vpwptlvttl tygvqcfsry pdhmkqhdff ksampegyvq ertiffkddg nyktraevkf egdtlvnrie
501  lkgidfkedg nilghkleyn ynshnvyima dkqkngikvn fkirhniedg svqladhyqq ntpigdgpvl lpdnhylstq salskdpnek rdhmvllefv
601  taagitlgmd elyk
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