*h*GPR27 VersaClone cDNA

Catalog Number: RDC0532

Specifications:

Gene:	*h*GPR27
Accession:	NP_061844
Insert size:	1141bp
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

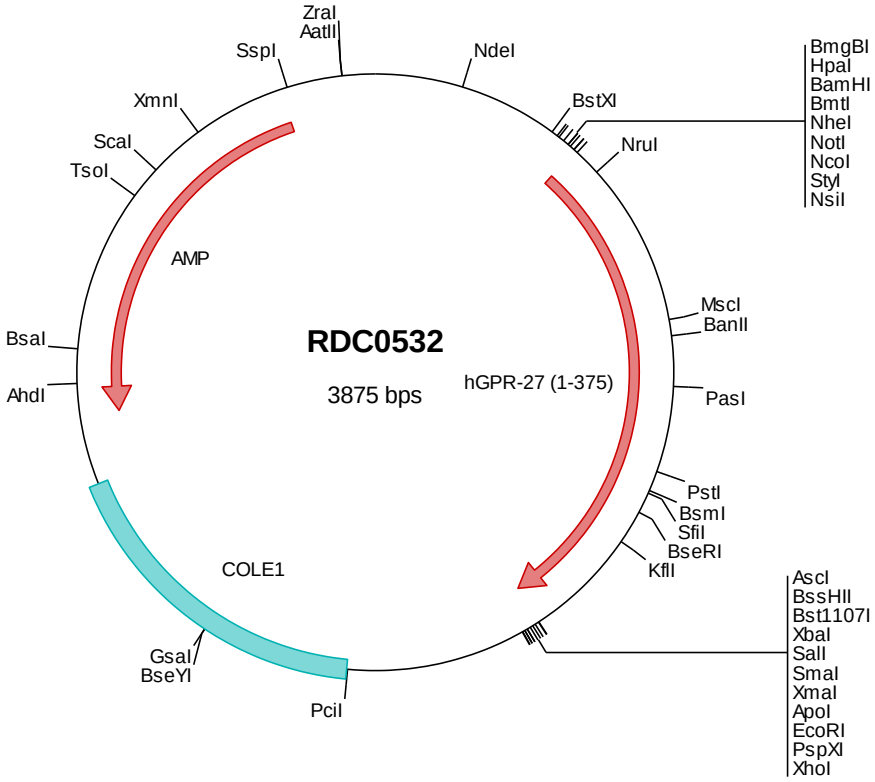
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPR27 cDNA Plasmid

GPR27 G protein-coupled receptor 27 [*Homo sapiens*]

Also known as: SREB1

Summary:
GPR27, also known as SREB1 (Super Conserved Receptor Expressed in Brain 1), is an orphan receptor belonging to the G protein-coupled receptor family. It is highly expressed in brain, ovary, testis, heart, prostate and peripheral leukocytes. The high sequence conservation and abundant expression in the central nervous system suggest the existence of fundamental neuronal systems consisting of SREB family members and their endogenous ligand(s).



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0532 Plasmid DNA Sequence

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 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 atggcaaatg catctgaacc tggtggctcc gggggagggg aagctgctgc
 501  tctggggctg aagctcgcga ctctgagcct gctactctgt gtcagcttgg ccggcaatgt gctgttcgcc cttctgatcg ttcgagagag gtccctgcat
 601  cgcgcacctt actatctcct gctcgatctg tgtttggccg acggactccg ggcacttgct tgcctgccag cggtaatgtt ggccgctagg cgggcagcgg
 701  ctgccgcagg cgctccccca ggtgcgttgg gctgcaagct gttggcgttt cttgcggcac tcttttgctt ccacgcagcc ttccttctcc tgggagtggg
 801  cgtgacgcga tatctggcaa tcgcccacca caggtttttac gcggagcggc tcgccggctg gccatgcgca gcgatgctgg tgtgcgcggc atgggctctc
 901  gccctcgccg cagcgtttcc tccggtcctg gacggcggtg gggacgacga ggacgcccct tgtgcactgg agcagaggcc ggacggtgcc cctggtgccc
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1601  gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac
1701  acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc
1801  gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg
1901  ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt
2001  gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg cccccctgac gagcatcaca aaaatcgacg
2101  ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt
2201  accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc
2301  tgggctgtgt gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact
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2801  acttggtctg acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga
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3001  agccggaagg gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt
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3501  gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc
3601  tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttca atattattga
3701  agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc
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> RDC0532 Translated Insert Sequence

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 101  laalfcfhaa flllgvgvtr ylaiahhrfy aerlagwpca amlvcaawal alaaafppvl dgggddedap calegrpdga pgalgfllll avvvgathlv
 201  ylrllffihd rrkmrparlv pavshdwtfh gpgatgqaaa nwtagfgrgp tppalvgirp agpgrgarrl lvleefktek rlckmfyavt llflllwgpy
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