*m*GPR19 VersaClone cDNA

Catalog Number: RDC1111

Specifications:

Gene:	*m*Gpr19
Accession:	NP_001161166
Insert size:	1300bp
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

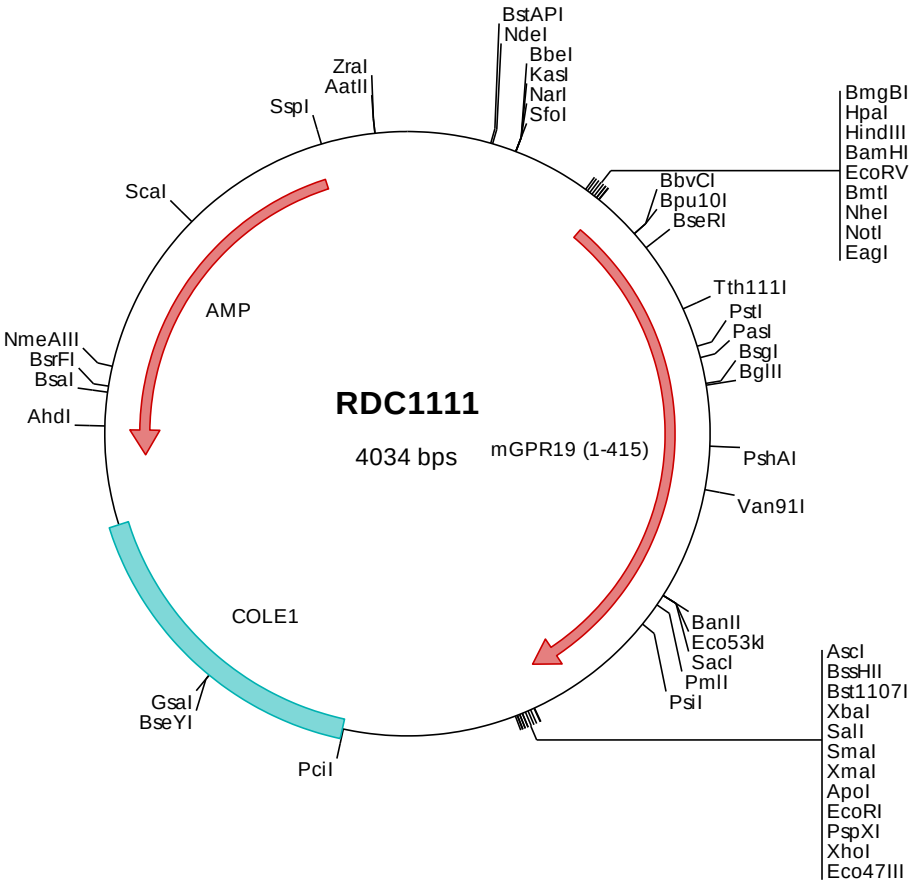
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*GPR19 cDNA Plasmid

Gpr19 G protein-coupled receptor 19 [*Mus musculus* (house mouse)]

Summary:

GPR19 is a member of the G protein -coupled receptor 1 family. G protein-coupled receptors (GPCRs) comprise a large protein family of transmembrane receptors that sense molecules outside the cell and activate inside signal transduction pathways and, ultimately, cellular responses. GPR19 is an orphan GPCR that is expressed abundantly in the brain. It is also frequently overexpressed in small cell lung cancer.



> RDC1111 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 atggtatttg ctcacagaat ggataacgac cagccgcctg tggtgactgc
 501  caccctgctg gtgccccttc agaacagcag ctgcgcggaa gcagctgagg ccctgctgcc ccatggcctg atgggattgc atgaggagca cagctggatg
 601  agcaacagga cagagcttca gtacgagctg aaccctggag aggtggccac cgccagcatc ttctttggcg ctttgtggtt gttctccatc tttggcaatt
 701  ccctggtatg tctggtcatc caccggagcc ggaggactca gtccaccacc aactacttcg tggtgtccat ggcgtgtgct gaccttctca tcagcgtggc
 801  cagcacgccg tttgtcgtgc tgcagttcac caccgggagg tggaccctgg gtagcgccat gtgcaaggtg gtccgctact tccagtacct caccccggc
 901  gtgcagatct acgtgctgct ctccatctgc atcgaccgct tctataccat cgtctacccg ctgagcttca aggtgtcccg agagaaggcc aagaaaatga
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1101  ctgggaggga actgcctata ccgtcatcca cttcttggtg ggcttcgtga ttccctccat cctcataatc ctgttttacc agaaggtcat aaagtatatc
1201  tggagaatag gcacggacgg gcggacgctg agaaggacga tgaacattgt ccccaggaca aaggtgaaaa cggtcaagat gttcctgctc ttgaacctag
1301  tgttcctgtt ctcctggcta cctttccatg tggctcagct ctggcatccc catgagcaag actacaagaa gagctccctt gtcttcacgg cagtcacgtg
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1701  tctaagaagt ctttcactgt tatgtgccag agattaaagg cgcgccagta tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt
1801  ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt
1901  gcctaatgag tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac
2001  gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca
2101  ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc
2201  gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat
2301  accaggcgtt tccccctgga agctccctcg tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc
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2601  taggcggtgc tacagagttc ttgaagtggt ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg
2701  aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct
2801  caagaagatc ctttgatctt ttctacgggg tctgacgctc agtggaacga aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca
2901  cctagatcct tttaaattaa aaatgaagtt ttaaatcaat ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcttaatca gtgaggcacc
3001  tatctcagcg atctgtctat ttcgttcatc catagttgcc tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct
3101  gcaatgatac cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaactttat
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3401  tccttcggtc ctccgatcgt tgtcagaagt aagttggccg cagtgttatc actcatggtt atggcagcac tgcataattc tcttactgtc atgccatccg
3501  taagatgctt ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa tacgggataa
3601  taccgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg
3701  atgtaaccca ctcgtgcacc caactgatct tcagcatctt ttactttcac cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg
3801  gaataagggc gacacggaaa tgttgaatac tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt
3901  tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc
4001  tataaaaata ggcgtatcac gaggcccttt cgtc
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> RDC1111 Translated Insert Sequence

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 201  fygsnwdshc nyflppsweg taytvihflv gfvipsilii lfyqkvikyi wrigtdgrtl rrtmnivprt kvktvkmfll lnlvflfswl pfhvaqlwhp
 301  heqdykkssl vftavtwvsf sssaskptly siynanfrrg mketfcmssm kcyrsnayti ttssrmakrn yvgiseippv srtitkdsiy dsfdrearek
 401  klawpinsnp pntfv
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