*h*GPR119 VersaClone cDNA

Catalog Number: RDC0468

Specifications:

Gene:	*h*GPR119
Accession:	NP_848566
Insert size:	1021bp
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

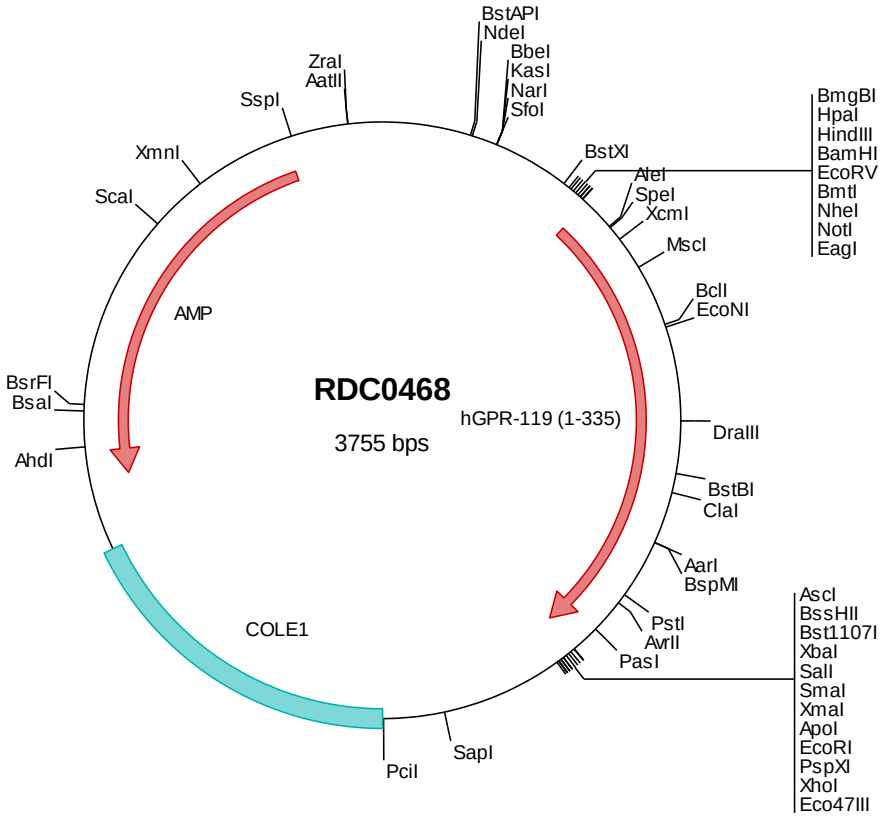
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPR119 cDNA Plasmid

GPR119 G protein-coupled receptor 119 [*Homo sapiens*]

Also known as: GPCR2

Summary:
GPR119 is a member of the rhodopsin subfamily of G protein-coupled receptors (GPCRs). It is expressed in the pancreas and gastrointestinal tract. This receptor is activated by lipid amides including lysophosphatidylcholine and oleoylethanolamide and may be involved in glucose homeostasis. GPR119 is a potential drug target in the treatment of type 2 diabetes.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0468 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 atggaatcat ctttctcatt tggagtgatc cttgctgtcc tggcctccct
 501  catcattgct actaacacac tagtggctgt ggctgtgctg ctgttgatcc acaagaatga tggtgtcagt ctctgcttca ccttgaatct ggctgtggct
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 701  ttgtcacttc ctccgcagct gcctctgtcc tcacggtcat gctgatcacc tttgacaggt accttgccat caagcagccc ttccgctact tgaagatcat
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 901  tacaaagggc agtgcagctt ctttgctgta tttcaccctc acttcgtgct gaccctctcc tgcgttggct tcttcccagc catgctcctc tttgtcttct
1001  tctactgcga catgctcaag attgcctcca tgcacagcca gcagattcga aagatggaac atgcaggagc catggctgga ggttatcgat ccccacggac
1101  tcccagcgac ttcaaagctc tccgtactgt gtctgttctc attgggagct ttgctctatc ctggacccca ttccttatca ctggcattgt gcaggtggcc
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1301  aggaggtgcg actgcagctc taccacatgg ccctaggagt gaagaaggtg ctcacctcat tcctcctctt tctctcggcc aggaattgtg gcccagagag
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1601  ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc
1701  tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct
1801  gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag
1901  gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa
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2901  gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt
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3301  cccggcgtca atacgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta
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3501  ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttca atattattga agcatttatc agggttattg
3601  tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc
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> RDC0468 Translated Insert Sequence

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101  fdrylaikqp frylkimsgf vagaciaglw lvsyligflp lgipmfqqta ykgqcsffav fhphfvltls cvgffpamll fvffycdmlk iasmhsqqir
201  kmehagamag gyrsprtpsd fkalrtvsvl igsfalswtp flitgivqva cqechlylvl erylwllgvg nsllnpliya ywqkevrlql yhmalgvkkv
301  ltsfllflsa rncgperpre sschivtiss sefdg
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