*h*GPR123 VersaClone cDNA

Catalog Number: RDC0733

Specifications:

Gene:	*h*GPR123
Accession:	AAO27353
Insert size:	3856bp
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

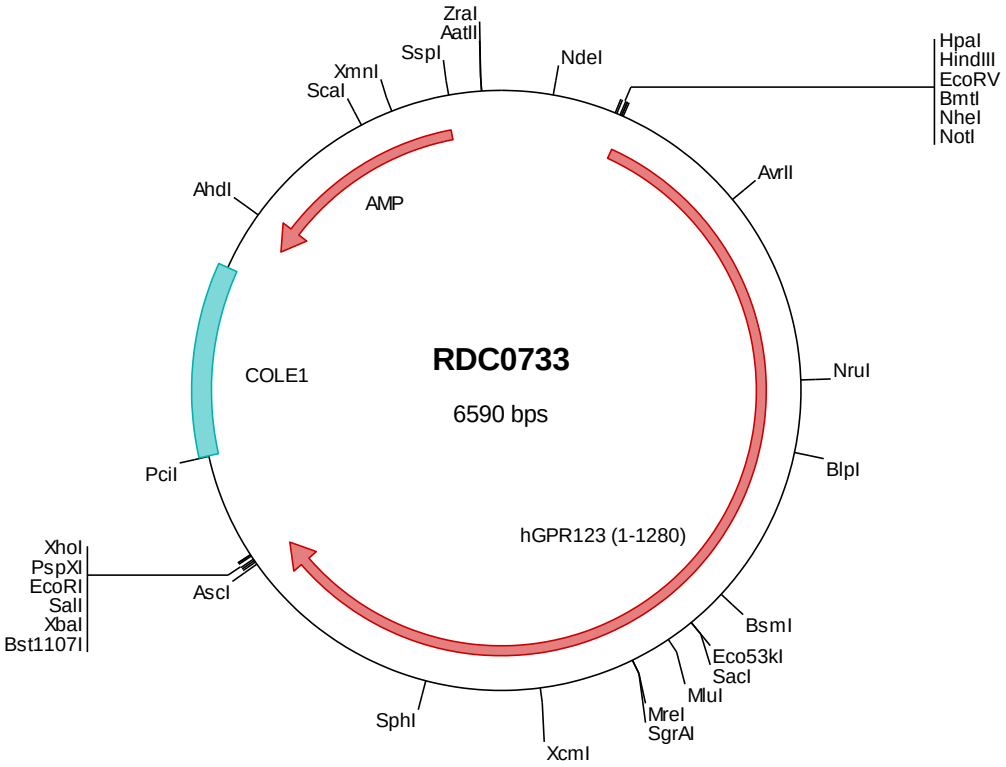
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPR123 cDNA Plasmid

GPR123 G protein-coupled receptor 123 [*Homo sapiens* (human)]

Summary:

GPR123 is a member of the G protein-coupled receptor 2 family; also known as the secretin receptor family. GPR123 is predominantly expressed in CNS. GPR123 may have an important role in the regulation of neuronal signal transduction. There are multiple isoforms of GPR123.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0733 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 atgcgaggcc acgggaacca ctcgcggctg aaatccagat gtgcttctct
 501  gggcaacgtc catcaccacc aggcacagat ggcgcacggt gcacactgcc gaggggccg gacaccacag tcaccagaca gccggggccc aaccgctggg
 601  ggccacaccc ggggcagatg gacgtaccgg cccatcgagg ccctcatcaa cgtcagcttt cccggagcaa agggtgggag aacggccgag ggcgagccct
 701  catgggcgtg ggtcttcaga agtggctatt tgcagagaca ggctcttcct gggcttcccg tctccacccg agtggctgcc tgctggtggc aacaccatcc
 801  aggcagggac tcagggttct tgggacctgg atttattgac ctgctcagag aggagcccag cggccgtgca gatgggaagg cagctgctca gaaaacaggg
 901  cgtctttatt tgttcccgac tttcctaggc aacaaattac cagaggccgc cgactcgttt ggggaaattg cttctgggaa cagtgttatt tttacctccg
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1701  ccttggcctg agtacaggcc gacagaaccc tgtgccgtcc ccctgtaagc ctggatgcgt gtgccagggc cttgcgctgg acgcagaggc ctggccgagg
1801  caccctggac gcaggccctg tgcggccaag gaggcctgcc tgggcccacc tggctgcagc ggggagctga gcctccctga ggaggaagga atcgcacctg
1901  gggcagcaac agcagctcct gcctgggtcc ctcatggccg cgtgagccgc ttcctcactg taaagctctt cacctatgta actatgtatc aatgtaaaca
2001  ggaacgtatc ctccgcctct gcatctctgg tgaatccggg cgatacgtgc ggcgctcacg cttccgcaac tttgcagcgc tcatggtgag tacgggggtc
2101  ccgggggtcc tgcagctggg ggctaggccg ctgcgggggg gcggccaccc gtatggggac tcccaggctg gaaaagttgt ggaatggcga gctggtgacc
2201  gggcttccgg gctcagtgcc ggggaaagaa ggttcctcag ccagtcggag ctgcagacct ggccccggac acctcactgt gtaggaaaga aggttcctca
2301  gccagttgga gctgcagacc tagccccgga cacctcactg tgcaggaaag aaggttcctc agccagtcgg agctgcagac ctggccccgg acacctcacc
2401  cgcagggagg aagattcctt caggcagctg gcattcccca ggtttgaaga ggtcactttc ccacctctca ctgctgcaga aagagcaccc tctgtccacg
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2701  tgcctcctgg cctccttcgt cacctacatc gtgcaccaga gcgccatccg catcagccgc aagggccggc acacgctcct gaatttctgc ttccacgcgg
2801  ccctgacctt cactgtgttc gccggcggca tcaatcgcac caagtacccc atcctgtgcc aggcggtggg catcgtgctg cactattcta cactgtccac
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3001  cccctgctca ggttttacct cgtcagcgga ggggtcccct ttatcatctg tggggtcacg gctgccacga acatcaggaa ttacgggaca gaggacgagg
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3801  cgtgcacctg caggaggagg gcgccttcgg gcacgacccc cacctgcacg ggtgccttca gggcagaact aagccgccct actttagccg gcacccagca
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5701  agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag tctattaatt gttgccggga agctagagta
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> RDC0733 Translated Insert Sequence

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 301  rregcvlvgs wrssthrsrv liintpsgrt pwsqgslgst grynqtrapg sqqqglcsda alhedfvpep tpaffqyppq afsktkvrdl grgglyafsk
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 601  lqtwprtphc vgkkvpqpvg aadlapdtsl crkegssasr scrpgpghlt rreedsfrql afprfeevtf ppltaaerap svhgghslas qglvlagrtr
 701  svasggkqel sgplaacipt qdlktvlslp rypgeflhpv vyactavmll cllasfvtyi vhqsairisr kgrhtllnfc fhaaltftvf agginrtkyp
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 901  paaiitlvtc vyflgtyvql rrhpgrryel rtqpeeqrrl atpeggrgir pgtppahdap gasvlqnehs fqaqlraaaf tlflftatwa fgalavsqgh
1001  fldmvfscly gafcvtlglf vlihhcakre dvwqcwwacc pprkdahpal dangaalgra aclhspglgq prgfahppgp ckmtnlqaaq ghasclspat
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