*h*GPR61 VersaClone cDNA

Catalog Number: RDC0701

Specifications:

Gene:	*h*GPR61
Accession:	NP_114142
Insert size:	1368bp
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

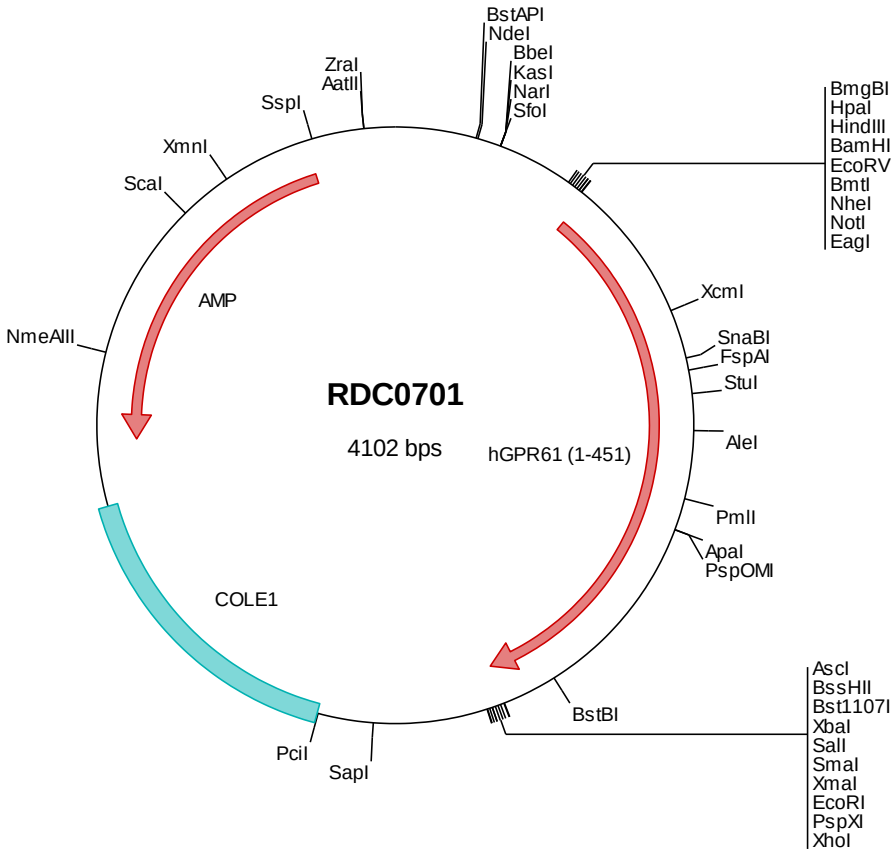
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPR61 cDNA Plasmid

GPR61 G protein-coupled receptor 61 [*Homo sapiens* (human)]

Also known as: BALGR; GPCR3

Summary:
GPR61 belongs to the G protein-coupled receptor 1 family. It is an orphan receptor that is abundantly expressed in the brain, which suggests its involvement in various physiological functions in the central nervous system. GPR61 is most closely related to biogenic amine receptors. It couples to Gs and has constitutive activity. The N-terminal domain of GPR61 is necessary for maintaining this activity and functions as a tethered intramolecular ligand.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0701 Plasmid DNA Sequence

```
   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 atggagtcct cacccatccc ccagtcatca gggaactctt ccactttggg
 501  gagggtccct caaaccccag gtccctctac tgccagtggg gtcccggagg tggggctacg ggatgttgct tcggaatctg tggccctctt cttcatgctc
 601  ctgctggact tgactgctgt ggctggcaat gccgctgtga tggccgtgat cgccaagacg cctgccctcc gaaaatttgt cttcgtcttc cacctctgcc
 701  tggtggacct gctggctgcc ctgaccctca tgcccctggc catgctctcc agctctgccc tctttgacca cgccctcttt ggggaggtgg cctgccgcct
 801  ctacttgttt ctgagcgtgt gctttgtcag cctggccatc ctctcggtgt cagccatcaa tgtggagcgc tactattacg tagtccaccc catgcgctac
 901  gaggtgcgca tgacgctggg gctggtggcc tctgtgctgg tgggtgtgtg ggtgaaggcc ttggccatgg cttctgtgcc agtgttggga agggtctcct
1001  gggaggaagg agctcccagt gtccccccag gctgttcact ccagtggagc cacagtgcct actgccagct ttttgtggtg gtctttgctg tcctttactt
1101  tctgttgccc ctgctcctca tacttgtggt ctactgcagc atgttccgag tggcccgcgt ggctgccatg cagcacgggc cgctgcccac gtggatggag
1201  acaccccggc aacgctccga atctctcagc agccgctcca cgatggtcac cagctcgggg gccccccaga ccaccccaca ccggacgttt gggggaggga
1301  aagcagcagt ggttctcctg gctgtggggg gacagttcct gctctgttgg ttgccctact tctctttcca cctctatgtt gccctgagtg ctcagcccat
1401  ttcaactggg caggtggaga gtgtggtcac ctggattggc tacttttgct tcacttccaa ccctttcttc tatggatgtc tcaaccggca gatccggggg
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1601  tccttcaggg gactggctgt ccttctgagt cctgggtttc ccgaccccta cccagcccca agcaggagcc acctgctgtt gactttcgaa tcccaggcca
1701  gatagctgag gagacctctg agttcctgga gcagcaactc accagcgaca tcatcatgtc agacagctac ctccgtcctg ccgcctcacc ccggctggag
1801  tcatgaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt
1901  gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc
2001  gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc
2101  tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat
2201  caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc
2301  ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag ctccctcgtg
2401  cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct cccttcggga agcgtggcgc tttctcaatg ctcacgctgt aggtatctca
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2601  cccggtaaga cacgacttat cgccactggc agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg
2701  cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac
2801  aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc
2901  tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt
3001  aaatcaatct aaagtatata tgagtaaact tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca
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3201  tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg
3301  gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat
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3701  tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc
3801  agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga cacggaaatg ttgaatactc
3901  atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg
4001  ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg
4101  tc
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> RDC0701 Translated Insert Sequence

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201  hsaycqlfvv vfavlyfllp lllilvvycs mfrvarvaam qhgplptwme tprqrsesls srstmvtssg apqttphrtf gggkaavvll avggqfllcw
301  lpyfsfhlyv alsaqpistg qvesvvtwig yfcftsnpff ygclnrqirg elskqfvcff kpapeeelrl psregsieen flqflqgtgc pseswvsrpl
401  pspkqeppav dfripgqiae etsefleqql tsdiimsdsy lrpaasprle s
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