*h*GPR78 VersaClone cDNA

Catalog Number: RDC0269

Specifications:

Gene:	*h*GPR78
Accession:	NP_543009
Insert size:	1105bp
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

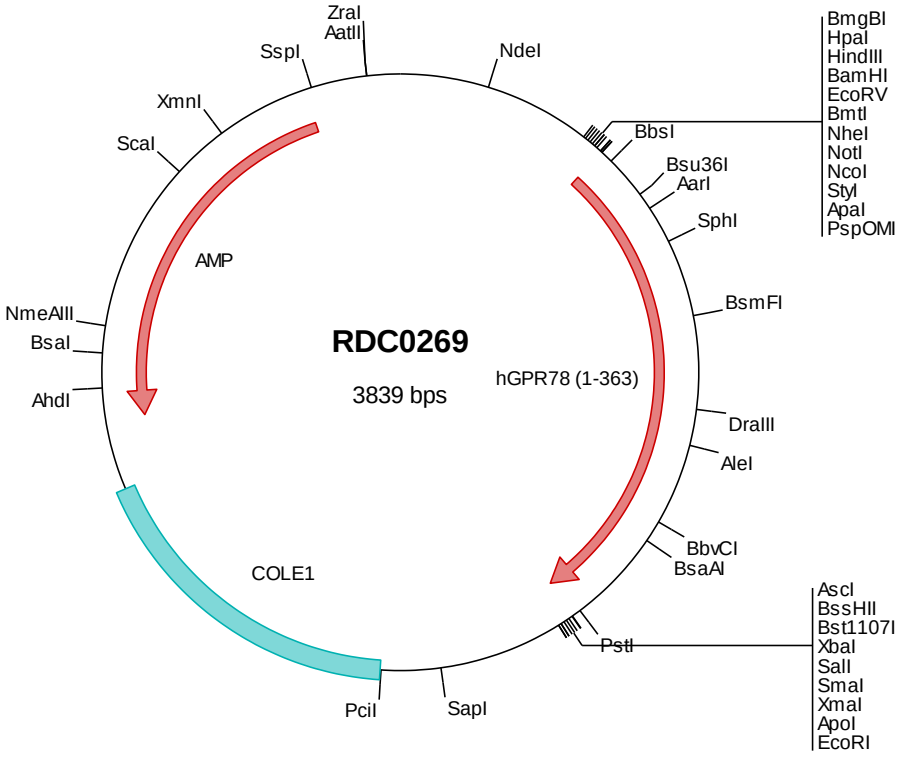
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPR78 cDNA Plasmid

GPR78 G protein-coupled receptor 78 [*Homo sapiens*]

Also known as: GPR78

Summary:
GPR78 belongs to the G protein-coupled receptor family. Members of this family contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. GPR78 has a high level of expression in placenta and is expressed throughout the brain at a low level. GPR78 is a receptor that displays a significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of GPR78 in susceptibility to bipolar affective disorder and schizophrenia.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0269 Plasmid DNA Sequence

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 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 atgggccccg gcgaggcgct gctggcgggt cttctggtga tggtactggc
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 701  tcctggacac cttcctggcg tccaacgcgg cgctgagcgt ggcggcgctg agcgcagacc agtggctggc agtgggcttc ccactgcgct acgccggacg
 801  cctgcgaccg cgctatgccg gcctgctgct gggctgtgcc tggggacagt cgctggcctt ctcaggcgct gcacttggct gctcgtggct tggctacagc
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1701  ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg
1801  ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca
1901  gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa
2001  aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata
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2201  gtggcgcttt ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgtt cagcccgacc
2301  gctgcgcctt atccggtaac tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt aacaggatta gcagagcgag
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3601  aaagggaata agggcgacac ggaaatgttg aatactcata ctcttccttt ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac
3701  atatttgaat gtatttagaa aaataaacaa atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat
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> RDC0269 Translated Insert Sequence

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 201  rhcqrmdtvt mkalalladl hpsvrqrcli qqkrrrhrat rkigiaiatf licfapyvmt rlaelvpfvt vnaqwgilsk cltyskavad pftysllrrp
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