*h*GPRC5A VersaClone cDNA

Catalog Number: RDC0619

Specifications:

Gene:	*h*GPRC5A
Accession:	NP_003970
Insert size:	1086bp
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

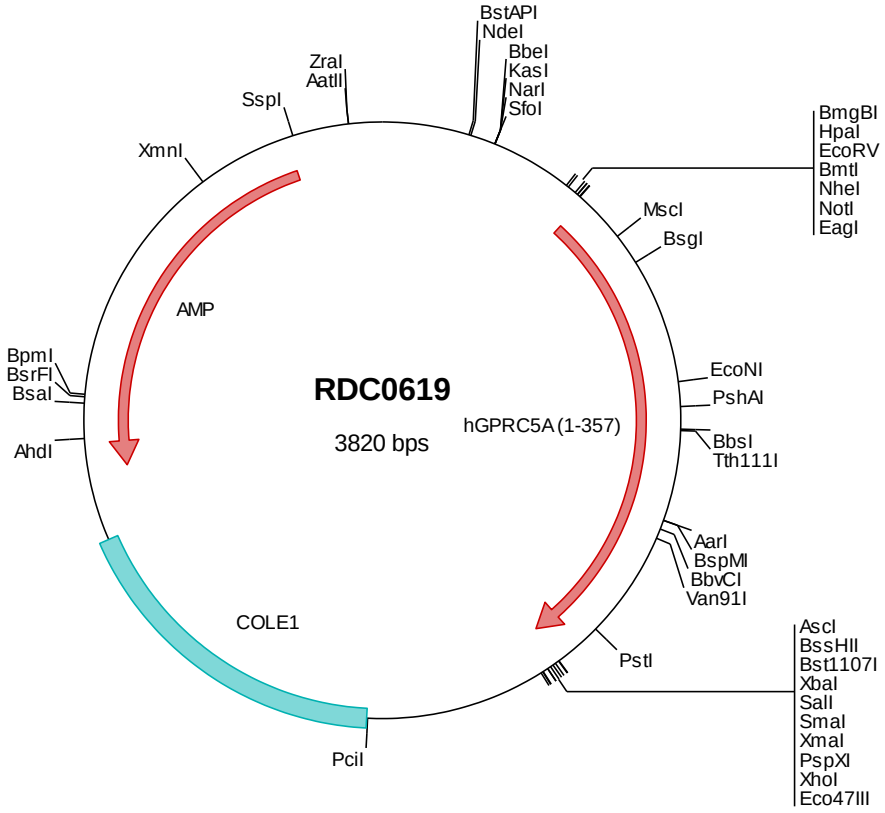
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GPRC5A cDNA Plasmid

GPRC5A G protein-coupled receptor, family C, group 5, member A [*Homo sapiens*]

Also known as: RAI3; RAIG1; GPCR5A

Summary:
GPRC5A is a member of the G protein-coupled receptor family, characterized by a signature 7-transmembrane domain motif. GPRC5A is a lung-specific tumor suppressor and may play a role in the interaction between retinoid acid and G protein signaling pathways. GPRC5A is also involved in embryonic development and epithelial cell differentiation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0619 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 atggctacaa cagtccctga tggttgccgc aatggcctga aatccaagta
 501  ctacagactt tgtgataagg ctgaagcttg gggcatcgtc ctagaaacgg tggccacagc cggggttgtg acctcggtgg ccttcatgct cactctcccg
 601  atcctcgtct gcaaggtgca ggactccaac aggcgaaaaa tgctgcctac tcagtttctc ttcctcctgg gtgtgttggg catctttggc ctcaccttcg
 701  ccttcatcat cggactggac gggagcacag ggcccacacg cttcttcctc tttgggatcc tcttttccat ctgcttctcc tgcctgctgg ctcatgctgt
 801  cagtctgacc aagctcgtcc gggggaggaa gccccttccc ctgttggtga ttctgggtct ggccgtgggc ttcagcctag tccaggatgt tatcgctatt
 901  gaatatattg tcctgaccat gaataggacc aacgtcaatg tcttttctga gctttccgct cctcgtcgca atgaagactt tgtcctcctg ctcacctacg
1001  tcctcttctt gatggcgctg accttcctca tgtcctcctt caccttctgt ggttccttca cgggctggaa gagacatggg gcccacatct acctcacgat
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1301  gtaaacctca actcgtgaag aagagctatg gtgtggagaa cagagcctac tctcaagagg aaatcactca aggttttgaa gagacagggg acacgctcta
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1501  gaagtaaaga aagagggcag ctaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc tagcttggcg taatcatggt
1601  catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag
1701  ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc
1801  ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc agctcactca aaggcggtaa
1901  tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tgctggcgtt
2001  tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc
2101  cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg atacctgtcc gcctttctcc cttcgggaag cgtggcgctt tctcaatgct
2201  cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccccgt tcagcccgac cgctgcgcct tatccggtaa
2301  ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca
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2801  gtctatttcg ttcatccata gttgcctgac tccccgtcgt gtagataact acgatacggg agggcttacc atctggcccc agtgctgcaa tgataccgcg
2901  agacccacgc tcaccggctc cagatttatc agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag
3001  tctattaatt gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg tcacgctcgt
3101  cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc
3201  gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgtcatgc catccgtaag atgcttttct
3301  gtgactggtg agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc tcttgcccgg cgtcaatacg ggataataccc gcgccacata
3401  gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg
3501  tgcacccaac tgatcttcag catcttttac tttcaccagc gtttctgggt gagcaaaaac aggaaggcaa aatgccgcaa aaaagggaat aagggcgaca
3601  cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga
3701  aaaataaaca aatagggggtt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg
3801  tatcacgagg ccctttcgtc
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> RDC0619 Translated Insert Sequence

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 101  fgilfsicfs cllahavslt klvrgrkpls llvilglavg fslvqdviai eyivltmnrt nvnvfselsa prrnedfvll ltyvlflmal tflmssfttc
 201  gsftgwkrhg ahiyltmlls iaiwvawitl lmlpdfdrrw ddtilssala angwvfllay vspefwlltk qrnpmdypve dafckpqlvk ksygvenray
 301  sqeeitqgfe etgdtlyapy sthfqlqnqp pqkefsipra hawpspykdy evkkegs
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