*h*PROKR2 VersaClone cDNA

Catalog Number: RDC0172

Specifications:

Gene:	*h*PROKR2
Accession:	NP_658986
Insert size:	1167bp
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

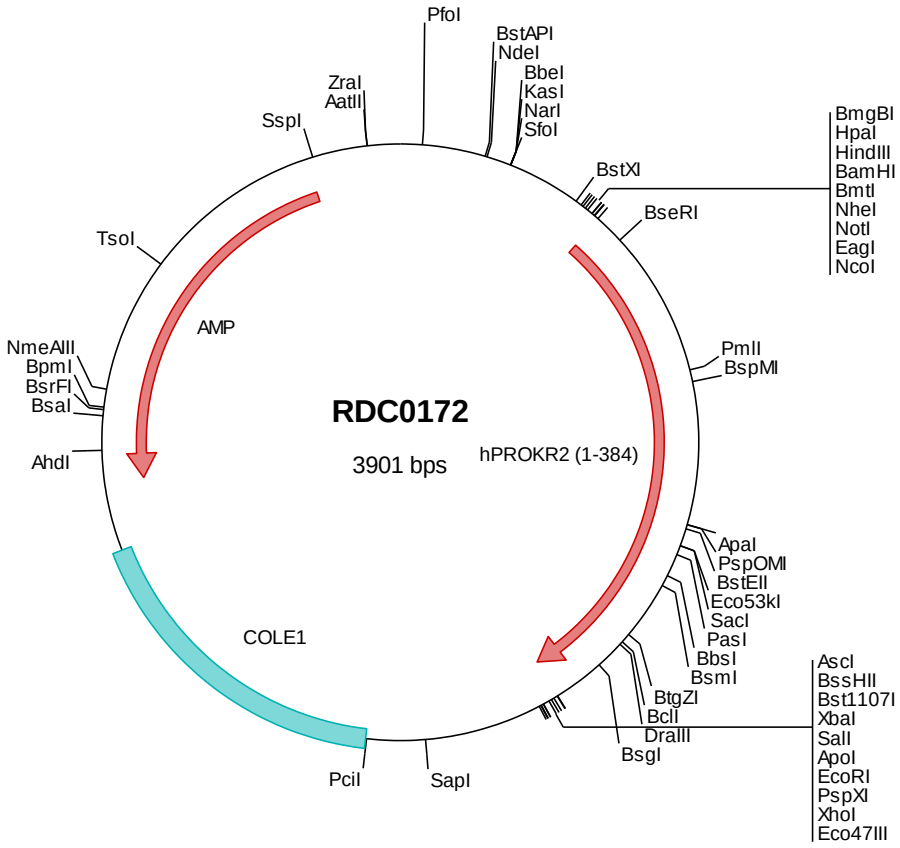
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*PROKR2 cDNA Plasmid

PROKR2 prokineticin receptor 2
[*Homo sapiens*]

Also known as: KAL3; PKR2; GPRg2; GPR73b; GPR73L1; dJ680N4.3

Summary:
Prokineticin Receptor 2 (PROKR2) is a 7-transmembrane glycoprotein of the GPCR family that is expressed in the ileocecum, thyroid gland, pituitary gland, salivary gland, adrenal gland, testis, ovary and brain. It is an integral membrane protein and receptor for prokineticins that can promote angiogenesis and induce strong gastrointestinal smooth muscle contraction. PROKR2 is similar in sequence to PROKR1/GPR73, another G protein-coupled receptor for prokineticins. Defects in PROKR2 are the cause of Kallmann syndrome type 3 also known as hypogonadotropic hypogonadism and anosmia.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0172 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 atggcagccc agaatggaaa caccagtttc acacccaact ttaatccacc
 501  ccaagaccat gcctcctccc tctcctttaa cttcagttat ggtgattatg acctccctat ggatgaggat gaggacatga ccaagacccg gacctttctc
 601  gcagccaaga tcgtcattgg cattgcactg gcaggcatca tgctggtctg cggcatcggt aactttgtct ttatcgctgc cctcacccgc tataagaagt
 701  tgcgcaacct caccaatctg ctcattgcca acctggccat ctccgacttc ctggtggcca tcatctgctg ccccttcgag atggactact acgtggtacg
 801  gcagctctcc tgggagcatg gccacgtgct ctgtgcctcc gtcaactacc tgcgcaccgt ctccctctac gtctccacca atgccttgct ggccattgcc
 901  attgacagat atctcgccat cgttcacccc ttgaaaccac ggatgaatta tcaaacggcc tccttcctga tcgccttggt ctggatggtg tccattctca
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1101  gctctactac aagtcctact tcctcttcat ctttggtgtc gagttcgtgg gccctgtggt caccatgacc ctgtgctatg ccaggatctc ccgggagctc
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1401  ggtcgagtgc atcgccatga gcaacagcat gatcaacacc gtgtgcttcg tgacggtcaa gaacaacacc atgaagtact tcaagaagat gatgctgctg
1501  cactggcgtc cctcccagcg ggggagcaag tccagtgctg accttgacct cagaaccaac ggggtgccca ccacagaaga ggtggactgt atcaggctga
1601  agtgaggcgc gccagtatac tctagagtcg acacccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg
1701  aaattgttat ccgctcacaa ttccacacaa catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg
1801  ttgcgctcac tgcccgcttt ccagtcggga aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct
1901  cttccgcttc ctcgctcact gactcgctgc gctcggtcgt tcggctgcgg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc
2001  aggggataac gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc
2101  cctgacgagc atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc ccctggaagc tccctcgtgc
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2601  aaccaccgct ggtagcggtg gttttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct
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2901  agttgcctga ctccccgtcg tgtagataac tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc gagacccacg ctcaccggct
3001  ccagatttat cagcaataaa ccagccagcc ggaagggccg agcgcagaag tggtcctgca actttatccg cctccatcca gtctattaat tgttgccggg
3101  aagctagagt aagtagttcg ccagttaata gtttgcgcaa cgttgttgcc attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt
3201  cagctccggt tcccaacgat caaggcgagt tacatgatcc cccatgttgt gcaaaaaagc ggttagctcc ttcggtcctc cgatcgttgt cagaagtaag
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3701  tactcttcct ttttcaatat tattgaagca tttatcaggg ttattgtctc atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt
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3901  c
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> RDC0172 Translated Insert Sequence

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 101  lvaiiccpfe mdyyvvrqls wehghvlcas vnylrtvsly vstnallaia idrylaivhp lkprmnyqta sflialvwmv siliaipsay fatetvlfiv
 201  ksqekifcgq iwpvdqqlyy ksyflfifgv efvgpvvtmt lcyarisrel wfkavpgfqt eqirkrlrcr rktvlvlmci ltayvlcwap fygftivrdf
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```