*h*OR51E2/PSGR VersaClone cDNA

Catalog Number: RDC2224

Specifications:

Gene:	*h*OR51E2
Accession:	NP_110401
Insert size:	976bp
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

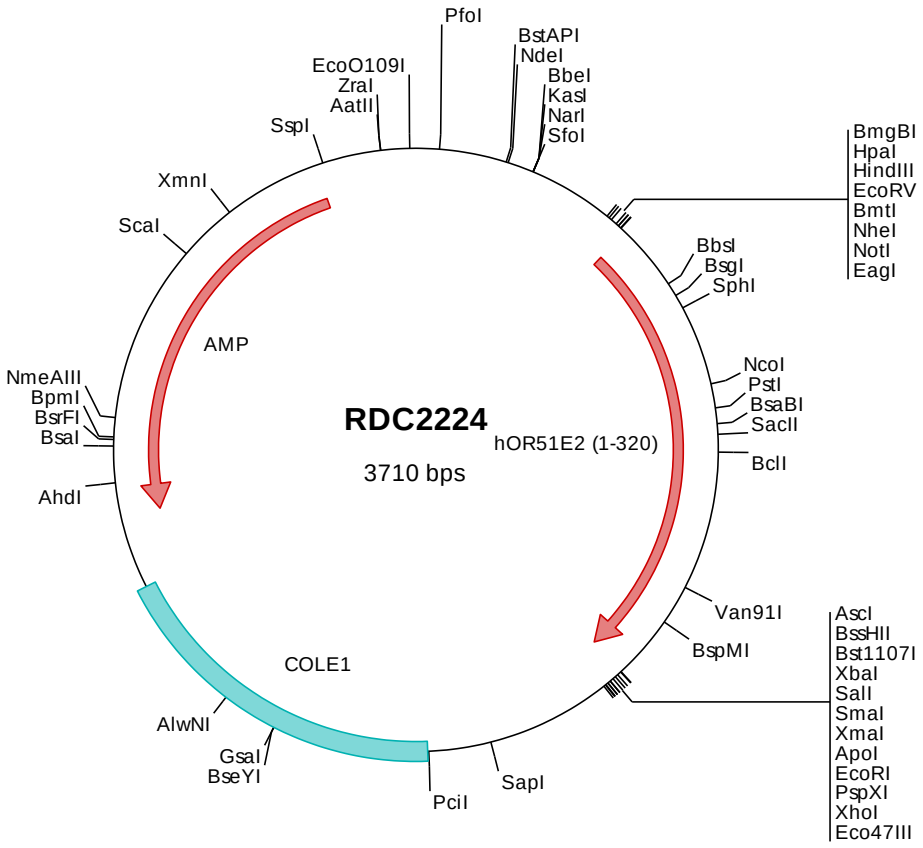
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*OR51E2/PSGR cDNA Plasmid

OR51E2 olfactory receptor family 51 subfamily E member 2 [*Homo sapiens* (human)]

Also known as: PSGR; OR52A2; OR51E3P

Summary:
OR51E2 is an olfactory receptor. It is a member of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2224 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 atgagttcct gcaacttcac acatgccacc tttgtgctta ttggtatccc
 501  aggattagag aaagcccatt tctgggttgg cttcccctc ctttccatgt atgtagtggc aatgtttgga aactgcatcg tggtcttcat cgtaaggacg
 601  gaacgcagcc tgcacgctcc gatgtacctc tttctctgca tgcttgcagc cattgacctg gccttatcca catccaccat gcctaagatc cttgcccttt
 701  tctggtttga ttcccgagag attagctttg aggcctgtct tacccagatg ttctttattc atgccctctc agccattgaa tccaccatcc tgctggccat
 801  ggcctttgac cgttatgtgg ccatctgcca cccactgcgc catgctgcag tgctcaacaa tacagtaaca gcccagattg gcatcgtggc tgtggtccgc
 901  ggatccctct ttttttccc actgcctctg ctgatcaagc ggctggcctt ctgccactcc aatgtcctct cgcactccta ttgtgtccac caggatgtaa
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1401  gggaggcaag taaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc tagcttggcg taatcatggt catagctgtt
1501  tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag ctaactcaca
1601  ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta
1701  ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc agctcactca aaggcggtaa tacggttatc
1801  cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tgctggcgtt tttccatagg
1901  ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc cctggaagct
2001  ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg atacctgtcc gcctttctcc cttcgggaag cgtggcgctt tctcaatgct cacgctgtag
2101  gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccccgt tcagcccgac cgctgcgcct tatccggtaa ctatcgtctt
2201  gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca gagttcttga
2301  agtggtggcc taactacggc tacactagaa ggacagtatt tggtatctgc gctctgctga agccagttac cttcggaaaa agagttggta gctcttgatc
2401  cggcaaacaa accaccgctg gtagcggtgg ttttttttgtt tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag aagatccttt gatcttttct
2501  acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggattttggt catgagatta tcaaaaagga tcttcaccta gatccttttа aattaaaaat
2601  gaagttttaa atcaatctaa agtatatatg agtaaacttg gtctgacagt taccaatgct taatcagtga ggcacctatc tcagcgatct gtctatttcg
2701  ttcatccata gttgcctgac tccccgtcgt gtagataact acgatacggg agggcttacc atctggcccc agtgctgcaa tgataccgcg agacccacgc
2801  tcaccggctc cagatttatc agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag tctattaatt
2901  gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg tcacgctcgt cgtttggtat
3001  ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc gatcgttgtc
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3201  agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc tcttgcccgg cgtcaatacg ggataatacc gcgccacata gcagaacttt
3301  aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg tgcacccaac
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3501  gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga aaaataaaca
3601  aataggggtt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg tatcacgagg
3701  ccctttcgtc
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> RDC2224 Translated Insert Sequence

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 101  ffihalsaie stillamafd ryvaichplr haavlnntvt aqigivavvr gslfffplpl likrlafchs nvlshsycvh qdvmklayad tlpnvvyglt
 201  aillvmgvdv mfislsyfli irtvlqlpsk serakafgtc vshigvvlaf yvpliglsvv hrfgnslhpi vrvvmgdiyl llppvinpii ygaktkqirt
 301  rvlamfkisc dkdlqavggk
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