*h*MRGX2 VersaClone cDNA

Catalog Number: RDC0308

Specifications:

Gene:	*h*MRGPRX2
Accession:	NP_473371
Insert size:	1006bp
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

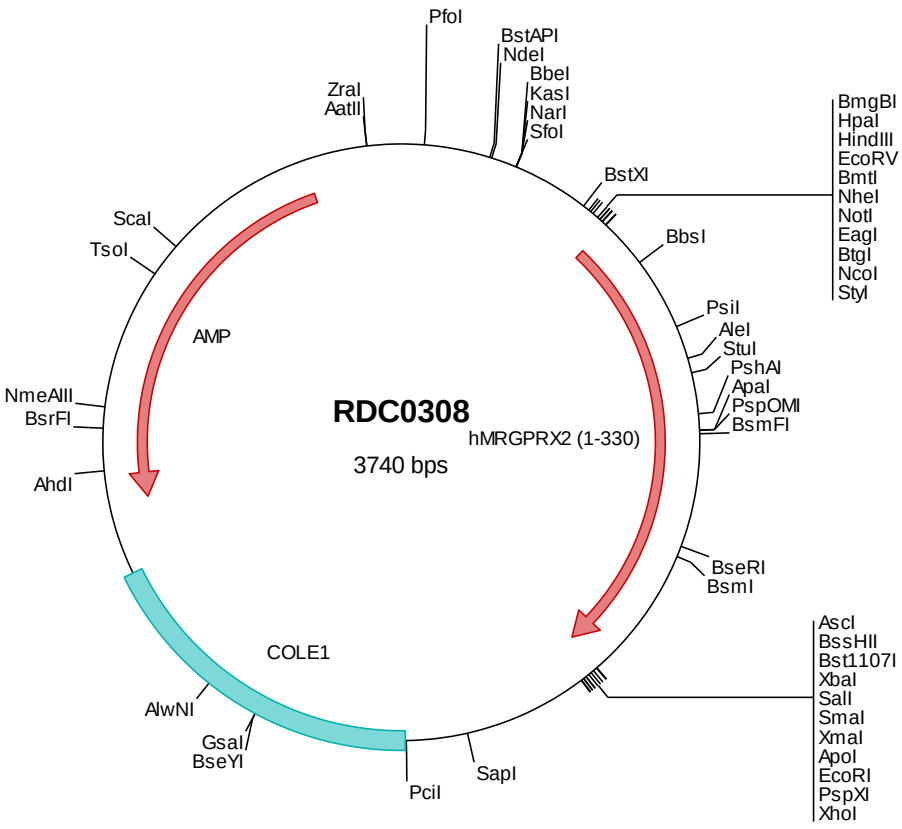
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*MRGX2 cDNA Plasmid

MRGPRX2 MAS-related GPR, member X2 [*Homo sapiens*]

Also known as: MRGX2

Summary:
MRGX2 belongs to the G protein-coupled receptor 1 family. MRGX2 has an expression profile limited to the central nervous system, with the highest levels in dorsal root ganglion. MRGX2 is probably involved in the function of nociceptive neurons. It may regulate nociceptor function and/or development, including the sensation or modulation of pain. Cortistatin-14 seems to be a high potency ligand for MRGX2. Cortistatin has several biological functions including roles in sleep regulation, locomotor activity, and cortical function.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0308 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 atggatccaa ccacccggc ctggggaaca gaaagtacaa cagtgaatgg
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 701  taaattgcct ggtgtacctc agtaacttct tctgttccat ctccatcaat ttccctagct tcttcaccac tgtgatgacc tgtgcctacc ttgcaggcct
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1601  tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg
1701  gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc
1801  agctcactca aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa
1901  aaggccgcgt tgctggcgtt tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat
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> RDC0308 Translated Insert Sequence

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201  sslallvril cgsrglpltr lyltilltvl vfllcglpfg iqwflilwiw kdsdvlfchi hpvsvvlssl nssanpiiyf fvgsfrkqwr lqqpilklal
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