

Specifications:

Gene:	hMRGPRE
Accession:	Q86SM8
Insert size:	949bp
Concentration:	10µg at 0.2µg/µL

hMRGPRE cDNA Plasmid

**MRGPRE MAS-related GPR,
member E [*Homo sapiens*
(human)]**

Also known as: MRGE; GPR167

Summary:

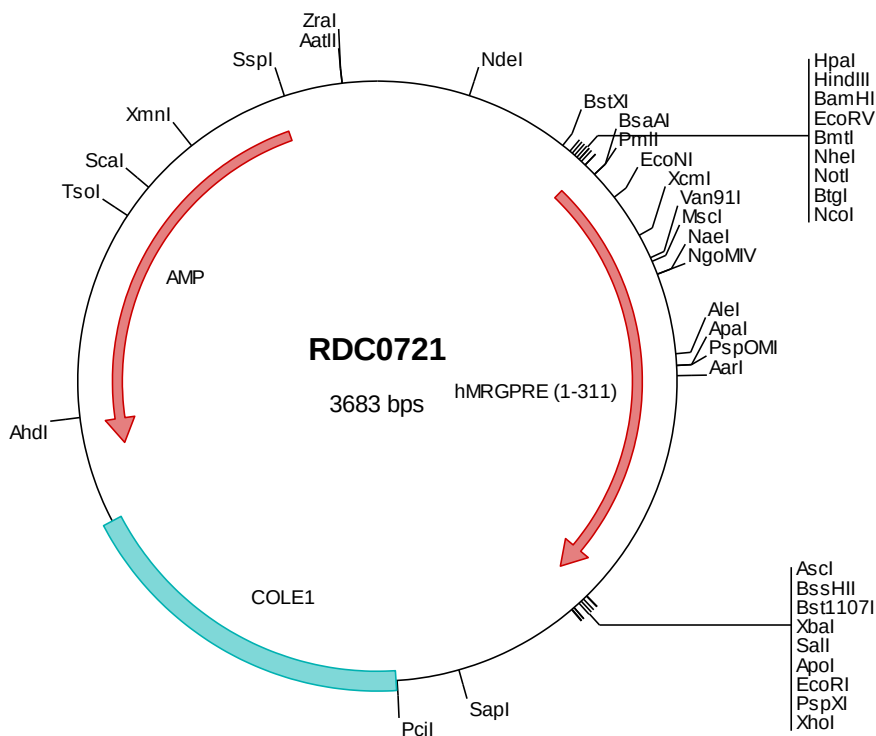
MRGPRE is an orphan receptor belonging to the G protein-coupled receptor 1 family. MRGPRE and MRGPRF are down regulated during intestinal schistosomiasis and are significantly reduced during ileitis. They are expressed in distinct enteric neuronal subpopulations, such as the sensory, secretomotor and vasodilator neurons. MRGPRE may regulate nociceptor function and development, including the sensation or modulation of pain.

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.





> RDC0721 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacag gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtcggggcc tcttcgctat
301  tacgccagct ggcgaagggt ggatgtgctg caaggcgatt aagtttggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggagccca gagaagctgg acagcacgtg gggggcccca acggcgccca
501  ggaggatgtg gccttcaacc tcatcatcct gtccctcacc gaggggctcg gctcgggtgg gctgctgggg aatggggcag tccctotggc gctcagctcc
601  aatgtctaca gaaacccctt cgcctctcac ctcttgaagc tggcctgcgc ggatctcacc ttccttggct gccacatggt ggccatcgtc cccgaettgc
701  tgcaaggcgc gctggacttc ccgggcttcg tgcagaccag cctggcaacg ctgcgcttct tctgtacat cgtgggctcg agtctcttgc cggcgcgcag
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> RDC0721 Translated Insert Sequence

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201  rvergprpp prgfpglill tvllflfcgl pfgiywlrsn llwyiphyfy hfsflmaavh caakpvvyfc lgsaggrlp lrlvlqralg deaelgavre
301  tsrrglvdia a
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