

Specifications:

Gene:	<i>h</i> MRGPRX4
Accession:	NP_473373
Insert size:	982bp
Concentration:	10µg at 0.2µg/µL

*h*MRGX4 cDNA Plasmid

**MRGPRX4 MAS-related GPR,
member X4 [*Homo sapiens*
(human)]**

Also known as: GPCR; MRGX4;
SNSR6

Summary:

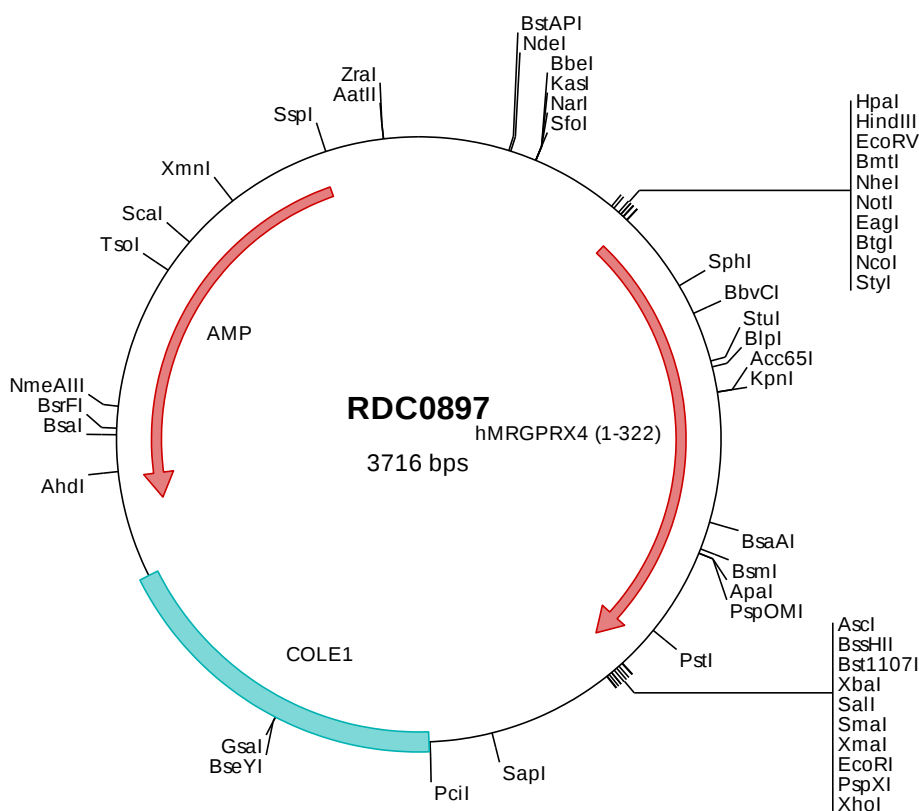
MRGPRX4 belongs to the G protein - coupled receptor 1 family. This orphan receptor may regulate nociceptor function and/or development, including the sensation or modulation of pain. MRGPRX4 is potentially activated by enkephalins and is localized in a subset of small dorsal root and trigeminal sensory neurons.

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.





> RDC0897 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caagcgattt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
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2601 aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct gacagttacc aatgcttaat cagtaggca cctatctcag cgtatgtct
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3601 taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc
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> RDC0897 Translated Insert Sequence

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201  rilcgsrkmp ltrlyvtill tvlvfllcgl pfgilgalii rmhlnlevly chvylvcmsl sslnssanpi iyffvgsfrq rqnqrnlklv lqralqdkpe
301  vdkgegqlpe eslelsgsrll gp
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