

Product datasheet for **SC120224**

MRGPRX4 (NM_054032) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRGPRX4 (NM_054032) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRGPRX4
Synonyms:	GPCR; MRGX4; SNSR6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC120224 representing NM_054032. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGATCCAACCGTCCCAGTCTTCGGTACAAAAGTACACCAATCAACGGACGTGAGGAGACTCCTTGC
TACAATCAGACCCTGAGCTTCACGGTGCTGACGTGCATCATTTCCCTTGTGCGACTGACAGGAAACGCG
GTTGTGCTCTGGCTCCTGGGCTACCGCATGCGCAGGAACGCTGTCTCCATCTACATCCTCAACCTGGCC
GCAGCAGACTTCCTCCTCAGCTTCAGATTATACGTTGCCATTACGCCTCATCAATATCAGCCAT
CTCATCCGAAAATCCTCGTTTCTGTGATGACCTTCCCTACTTTACAGGCTGAGTATGCTGAGCGCC
ATCAGCACCAGCGCTGCCTGTCTGTTCTGTGGCCATCTGGTACCGCTGCCGCCGCCACACACCTG
TCAGCGGTGCTGTGCTGCTGCTGGGCTGTCCCTGCTGTTAGTATGCTGGAGTGGAGTTCTGT
GACTTCCTGTTTAGTGGTCTGATTCTAGTTGGTGTGAAACGTGAGTTTCATCCAGTCGCGTGGCTG
ATTTTTTATGTGTGGTTCTCTGTGTTCCAGCCTGGTCCTGCTGGTCAAGATCCTCTGTGGATCCCGG
AAGATGCCGCTGACCAGGCTGTACGTGACCATCCTGCTCACAGTCTGGTCTTCCCTCTGCGGCCCTG
CCCTTCGGCATTCTGGGGCCCTAATTTACAGGATGCACCTGAATTTGGAAGTCTTATATTGTCATGTT
TATCTGGTTTGCATGTCCCTGTCTCTAAACAGTAGTGCCAAACCCATCATTTACTTCTCTGTGGGC
TCTTTTAGGCAGCGTCAAAATAGGCAGAACCTGAAGCTGGTTCTCCAGAGGGCTCTGCAGGACAAGCCT
GAGGTGGATAAAGGTGAAGGCAGCTTCCTGAGGAAAGCCTGGAGCTGTGCGGAAGCAGATTGGGGCCA
TGA
  
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_054032 unedited GGGCCTTCGGANGATGGCAACTTCCCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGG CTGCCACCCGGGCTCTGTTCAGGAAACAGCTATGACCGCGGCCGCCAGTGTGATGGATAT CTGCAGAAATCCCCTCATGGCCCCAATCTGCTTCCCGACAGCTCCAGGCTTTCTCAGGA AGCTGCCCTTACCTTTATCCACCTCAGGCTTGTCTGCAGAGCCCTCTGGAGAACCAGC TTCAGGTTCTGCCTATTTTGACGCTGCCTAAAAGAGCCCACGAAGAAGTAAATGATGGGG TTGGCACTACTGTTTAGAGAGGACAGGGACATGCAAACCAGATAAACATGACAATATAAG ACTTCCAAATTCAGGTGCATCCTGTAAATTAGGGCCCCAGAATGCCGAAGGGCAGGCCG CAGAGGAGGAAGACCAGCACTGTGAGCAGGATGGTCACGTACAGCCTGGTCAGCGGCATC TTCCGGGATCCACAGAGGATCCTGACCAGCAGGACCAGGCTGGAAACACAGAGAACCACA CATAAAAAATCAGCCACGCGACTGGGATGAAATCTGACGTTTACACCAACTAGAAATCA GCACCACTAAACAGGAAGTCACAGAACCTCCACTCCAGCATACTAACAGCATGGACAGG CCCCAGACAGGACACACAGCAGGCTGACAGGTGTGTGGGGCGCGGCATCGGTACCAG ATGGGCCACAGAACANACAGGCAGCGCTCGGTGCTGATGGCGCTCANCATACTCAGGCT GTAAGTAGGGNAAAGGTCATCACANAAACCAAGATTTTGC GGATGATATGGCTGATATT GATGAAGCGTAATGGCGAACGTATATCTGGAAGCTGAAGAAGAGAAGTCTGCTCGGCCA GGTTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_054032
Insert Size:	969 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_054032.2
RefSeq Size:	1463 bp
RefSeq ORF:	969 bp
Locus ID:	117196
UniProt ID:	Q96LA9
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	36.4 kDa

Gene Summary:

Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Potently activated by enkephalins (By similarity).[UniProtKB/Swiss-Prot Function]