

## Product datasheet for **SC120223**

### MRGX3 (MRGPRX3) (NM\_054031) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MRGX3 (MRGPRX3) (NM_054031) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRGX3
Synonyms:	GPCR; MRGX3; SNSR1; SNSR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_054031, RT-PCR generated ATGGATTCAACCATCCCAGTCTTGGGTACAGAACTGACACCAATCAACGGACGTGAGGAG ACTCCTTGCTACAAGCAGACCCCTGAGCTTCACGGGGCTGACGTGCATCGTTTCCCTTGTC GCGCTGACAGGAAACGCGTTGTGCTCTGGCTCCTGGGCTGCCGATGCGCAGGAACGCT GTCTCCATCTACATCCTCAACCTGGTCGCGGCCGACTTCCTCTTCTTAGCGGCCACATT ATATGTTCCGCGTTACGCCTCATCAATATCCGCCATCCCATCTCCAAAATCCTCAGTCTCT GTGATGACCTTCCCTACTTTATAGGCCTAAGCATGCTGAGCGCCATCAGCACCGAGCGC TGCCTGTCCATCCTGTGGCCCATCTGGTACCACTGCCGCCGCCAGATACTGTCATCG GTCATGTGTGCTGCTCTGGGCCCTGCCCTGCTGCGGAGTATCCTGGAGTGGATGTTCT TGTGACTTCTGTTTAGTGGTGCTAATTCTGTTTGGTGTGAAACGTCAGATTTTCATTACA ATCGCGTGGCTGGTTTTTTTATGTGTGGTCTCTGTGGGTCCAGCCTGGTCTGCTGGTC AGGATTCTCTGTGGATCCCGAAGATGCCGCTGACCAGGCTGTACGTGACCATCCTCCTC ACAGTGCTGGTCTTCTCCTCTGTGGCCTGCCCTTTGGCATTAGTGGGCCCTGTTTTCC AGGATCCACCTGGATTGGAAAGTCTTATTTTGTGCATGTGCATCTAGTTTCCATTTTCTG TCCGCTCTTAACAGCAGTGCCAACCCCATATTTACTTCTTCGTGGGCTCCTTTAGGCAG CGTCAAAATAGGCAGAACCTGAAGCTGGTCTCCAGAGGGCTCTGCAGGACACGCCTGAG GTGGATGAAGGTGGAGGGTGGCTTCTCAGGAAACCTGGAGCTGTCGGGAAGCAGATTG GAGCAGTGA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_054031 unedited TTCCCCCAATTGAGTTTTGTTAACCGCATCCAGGANTTGGGACGGAACGCCCAATTGCGCTTATGGNATTCACCATCCCAGTCTTGGGTACAGAACTGACACCAATCAACGGACGTGAGGAGACTCCTTGCTACAAGCAGACCCTGAGCTTACGGGGCTGACGTGCATCGTTTCCCTTGTGCGCGTGACAGGAAACGCGGTTGTGCTCTGGCTCCTGGGTGCCGTAGTTCAGGACGCTGTCTCCATCTACATCCTCAACCTGGTCGCGGCGGACTTCCTCTTCCTTAGCGGCCACATTATATGTTTTTTCGTTACCCCTCATCAATATTCGCCATCCCAATTTTCCAAAACCTAAATCCCGGGAGGGCCCTTCCCTTTTTTTTTAGGCCCTAAATTGGTTAAGGGCCCTTTAGGCCCCGAGGGGTTCTGTTTTTTTTGTGGGGCCCATGTGTGGACCAAGCGGGCGGCCCCCAAAAATAAATTTTAAAAAAATTTATTTGTTTTCTTTGAGACGCCCCCCCTGCCCGGTGAAAAATATCACGACCGGAGGTGGGTTTTCTCCCTCGCGTGTGGAGAAGATTGGAGGGGATTTTTAGCGGGCGGAGAGCAAGGAGAAGAGGGTGGGGAAAAACGTCAGGTAACCGCCCGGGGAACTTTATATAGATTTGACTTTGTGTTATTGCGCGAGAGCGGTGATTGGGTACCCATATATATTCTATTACACTACGCTTTTTAATTTGTGCAAGGACAGAGGAGGACGAAGGGAGCAGCCCGAAGAGGGATCAGGCGGCTCACGCCCGCACACAGTGGTGAGTGAGCTACTATTTGCAATCGCTACGTGGATACACTCCCGACCATGTGTTCTTAGTCTAATGTATACGCGCCGCGTTCGCTAATTCTTCCTGAATTA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_054031
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_054031.2</a></u> , <u><a href="#">NP_473372.2</a></u>
<b>RefSeq Size:</b>	1697 bp
<b>RefSeq ORF:</b>	969 bp
<b>Locus ID:</b>	117195
<b>UniProt ID:</b>	<u><a href="#">Q96LB0</a></u>
<b>Cytogenetics:</b>	11p15.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane

**Gene Summary:**

This gene encodes a member of the mas-related/sensory neuron specific subfamily of G protein coupled receptors. The encoded protein may be involved in sensory neuron regulation and in the modulation of pain. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.