

## Product datasheet for **SC126557**

### MCHR (MCHR1) (NM\_005297) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MCHR (MCHR1) (NM_005297) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCHR
Synonyms:	GPR24; MCH-1R; MCH1R; SLC-1; SLC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126557 sequence for NM_005297 edited (data generated by NextGen Sequencing)

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ATGTCAGTGGGAGCCATGAAGAAGGGAGTGGGGAGGGCAGTTGGGCTTGGAGCGGCAGC
GGCTGCCAGGCTACGGAGGAAGACCCCTTCCCGACTGCGGGGCTTGCCTCCGGGACAA
GGTGGCAGGCGCTGGAGGCTGCCGACGCTGCGTGGGTGGAGGGGAGCTCAGCTCGGTTG
TGGGAGCAGGCGACCGGCACTGGCTGGATGGACCTGGAAGCCTCGCTGCTGCCACTGGT
CCCAATGCCAGCAACACCTCTGATGGCCCCGATAACCTCACTTCGGCAGGATCACCTCCT
CGCACGGGAGCATCTCCTACATCAACATCATCATGCCTTCGGTGTTCGGCACCATCTGC
CTCCTGGGCATCATCGGGAACCTCACGGTCATCTTCGGGTGCTGAAGAAGTCCAAGCTG
CACTGGTGCAACAACGTCCCGACATCTTCATCATCAACCTCTCGGTAGTAGATCTCCTC
TTTCTCCTGGGCATGCCCTTCATGATCCACCAGCTCATGGCAATGGGGTGTGGCACTTT
GGGGAGACCATGTGCACCCTCATCACGGCCATGGATGCCAATAGTCAGTTCACCAGCACC
TACATCCTGACCGCCATGGCCATTGACCGCTACCTGGCCACTGTCCACCCCATCTCTTCC
ACGAAGTTCGGGAAGCCCTCTGTGGCCACCCTGGTGATCTGCCTCCTGTGGGCCCTCTCC
TTCATCAGCATCACCCCTGTGTGGCTGTATGCCAGACTCATCCCTTCCCAGGAGGTGCA
GTGGGCTGCGGCATACGCCTGCCAACCAGACTGACCTCTACTGGTTCACCCGTGAC
CAGTTTTTCTGGCCTTTGCCCTGCCTTTTGTGGTCATCACAGCCGCATACGTGAGGATC
CTGCAGCGCATGACGTCTCAGTGGCCCCCGCTCCAGCGCAGCATCCGGCTGCGGACA
AAGAGGGTGACCCGCACAGCCATCGCCATCTGTCTGGTCTTCTTTGTGTGCTGGGACCC
TACTATGTGCTACAGCTGACCCAGTTGTCCATCAGCCGCCGACCCTCACCTTTGTCTAC
TTATAAATGCGCCATCAGCTTGGGCTATGCCAACAGCTGCCTCAACCCCTTTGTGTAC
ATCGTGCTCTGTGAGACGTTCCGCAAACGCTTGGTCTGTTCGGTGAAGCCTGCAGCCAG
GGGCAGCTTCGCGCTGTGAGCAACGCTCAGACGGCTGACGAGGAGAGGACAGAAAGCAA
GGCACCTGA

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Clone variation with respect to NM\_005297.3  
94 a=>g;246 c=>t



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005297 unedited NTTTGAGCACATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCA AGGCAAGCAGCAGCCCCTGTAAGCACACGAGACAATCCCAAGTGTGAGTGGGAAGGAGAT CCCTTTCTGATGGGGCTGCCTGTGTCCAGTCCCTCCCAGCTTCCCAGGGCCCTGGGGC TCTGCAAGCATTGAGAAGTGAAGCCAGCCACAGCCTGGGACTGAAGAGGTTAATGTGCA TCTGCCTCCGAATGTTAATGTGTCTAGGTGATGTCAGTGGGAGCCATGAAGAAAGGAGTG GGGAGGGCAGTTGGGCTTGGAGGCGGCAGCGGCTGCCAGGCTACGGAGGAAGACCCCTT CCCGACTGCGGGGCTTGCCTCCGGGACAAGGTGGCAGGCGCTGGAGGCTGCCGACGCT GCGTGGGTGGAGGGGAGCTCAGCTCGGTTGTGGGAGCAGGCGACCGGCACTGGCTGGATG GACCTGGAAGCCTCGCTGCTGCCACTGGTCCCAATGCCAGCAACACCTCTGATGGCCCC GATAACCTCACTTCGGCAGGATCACCTCCTCGCACGGGGAGCATCTCTACATCAACATC ATCATGCCTTCNGTGTTCGGCACCATCTGCCTNCTGGGCATCATCGGAACTCCACAGTC ATCTTCGGGTCGTGAAGAAGTCCAACCTGCACTGTGCAACACGTCCCNACATCTTATCAT AACCTCTCGGAGTAGATCTCTCTCTGCGATGCCTTATGATCACACTATGGCATGGGT GTGACTTGGGAACATTACCTATACGCCTGGTCA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005297
<b>Insert Size:</b>	2400 bp
<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>	<a href="#">NM_005297.2</a> , <a href="#">NP_005288.2</a>
<b>RefSeq Size:</b>	2368 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	2847
<b>UniProt ID:</b>	<a href="#">Q99705</a>
<b>Cytogenetics:</b>	22q13.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction

**Gene Summary:**

The protein encoded by this gene, a member of the G protein-coupled receptor family 1, is an integral plasma membrane protein which binds melanin-concentrating hormone. The encoded protein can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, this protein does not seem to bind somatostatin. [provided by RefSeq, Jul 2008]