

## Product datasheet for RN201599

### Mchr1 (NM\_031758) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mchr1 (NM_031758) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mchr1
Synonyms:	Gpr24; Mch-1r; Slc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201599 representing NM_031758 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCTGCAAACCTCGTTGCTGTCCACTGGCCCAATGCCAGCAACATCTCCGATGGCCAGGATAATC  
TCACATTGCCGGGTACCTCCTCGCACAGGGAGTGTCTCCTACATCAACATCATTATGCCTTCCGTGTT  
TGGTACCATCTGTCTCCTGGGCATCGTGGGAACTCCACGGTCATCTTTGCTGTGGTGAAGAAGTCCAAG  
CTACACTGGTGCAGCAACGTCCCGACATCTTCATCATCAACCTCTCTGTGGTGGATCTGCTCTTCTGTC  
TGGGCATGCCTTTCATGATCCACCAGCTCATGGGGAACGGCGTCTGGCACTTTGGGAAACCATGTGCAC  
CCTCATCACAGCCATGGACGCCAACAGTCAGTTCACTAGCACCTACATCCTGACTGCCATGACCATTGAC  
CGCTACTTGCCACCGTCCACCCATCTCCTCCACCAAGTTCCGGAAGCCCTCCATGGCCACCCTGGTGA  
TCTGCCTCCTGTGGGCGCTCTCCTTCATCAGTATCACCCCTGTGTGGCTCTACGCCAGGCTCATTCCCTT  
CCCAGGGGGTGTGTGGGCTGTGGCATCCGCTGCCAAACCCGGACACTGACCTCTACTGGTCACTCTG  
TACCAGTTTTTCTGGCCTTGGCCCTCCGTTTGTGGTCACTACCGCCGATACGTGAAAATACTACAGC  
GCATGACGTCTTCGGTGGCCCCAGCCTCCCAACGCAGCATCCGGCTTCGGACAAAGAGGGTGACCCGCAC  
GGCCATTGCCATCTGTCTGGTCTTCTTTGTGTGCTGGGCACTACTATGTGCTGCAGCTGACCCAGCTG  
TCCATCAGCCGCCGACCCTCACGTTTGTCTACTTGTACAACGGGCCATCAGCTTGGGCTATGCTAACA  
GCTGCCTGAACCCCTTTGTGTACATAGTCTCTGTGAGACCTTTTCGAAAACGCTTGGTGTGTCAAGTAA  
GCCTGCAGCCCAGGGCAGCTCCGCACGGTCAGCAACGCTCAGACAGCTGATGAGGAGAGGACAGAAAGC  
AAAGGCACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_031758
<b>Insert Size:</b>	1062 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_031758.1</a> , <a href="#">NP_113946.1</a>
<b>RefSeq Size:</b>	1214 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	83567
<b>UniProt ID:</b>	<a href="#">P97639</a>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	receptor for melanin-concentrating hormone (MCH); may mediate intracellular Ca <sup>2+</sup> levels, forskolin-stimulated cyclic AMP production, and activation of mitogen-activated protein kinase; may play role in energy homeostasis [RGD, Feb 2006]