

Product datasheet for **MC208943**

Mc1r (NM_008559) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mc1r (NM_008559) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mc1r
Synonyms: e; Mcr1; Mshra; Tob
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208943 representing NM_008559
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCACTCAGGAGCCCCAGAAGAGTCTTCTGGGTTCTCTCAACTCCAATGCCACCTCTCACCTTGGAC
TGGCCACCAACCAGTCAGAGCCTTGGTGCCTGTATGTGCCATCCCAGATGGCCTCTTCTCAGCCTAGG
GCTGGTGAGTCTGGTGGAGAATGTCTGGTTGTGATAGCCATCACAAAAACCGCAACCTGCACTCGCCC
ATGTATTACTTCTGCTGCTGCTGGCCCTGTCTGACCTGATGGTAAGTGCAGCATCGTGTGGAGACTA
CTATCATCTGCTGCTGGAGCGGGCATCTGGTGGCCAGAGTGGCTTTGGTGCAGCAGCTGGACAACCT
CATTGACGTGCTCATCTGTGGCTCCATGGTGTCCAGTCTCTGCTTCTGGGCATCATTGCTATAGACCGC
TACATCTCCATCTTCTATGCGCTGCGTTATCACAGCATCGTGACGCTGCCAGAGCACGACGGGCTGTCG
TGGGCATCTGGATGGTCAGCATCGTCTCCAGCACCTCTTTATCACCTACTACAAGCACACAGCCGTTCT
GCTCTGCCTCGTCACTTTCTTTCTAGCCATGCTGGCACTCATGGCGATTCTGTATGCCACATGTTACAG
AGAGCGTGCCAGCACGCTCAGGGCATTGCCAGCTCCAAAAAGGCGGGTCCATCCGCCAAGGCTTCT
GCCTCAAGGGTGTGCCACCCTTACTATCCTTCTGGGGATTTCTTCTGTGCTGGGGCCCTTCTTCTCT
GCATCTTTGCTCATCGTCTCTGCCCTCAGCACCCACCTGCAGCTGCATCTTCAAGAACTTCAACCTC
TTCTCTCTCATCGTCTCAGCTCCACTGTTGACCCCTCATCTATGCTTTCCGACGCCAGGAGCTCC
GCATGACACTCAAGGAGGTGCTGCTGTCTCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2269_f10.zip

Restriction Sites: Sgfl-Mlul



[View online »](#)

ACCN:	NM_008559
Insert Size:	948 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_008559.2 , NP_032585.2
RefSeq Size:	3670 bp
RefSeq ORF:	948 bp
Locus ID:	17199
UniProt ID:	Q01727
Cytogenetics:	8 72.1 cM
Gene Summary:	Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.[UniProtKB/Swiss-Prot Function]