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Product datasheet for MC208947

Mc5r (NM_013596) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mc5r (NM_013596) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mc5r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC208947 representing NM_013596
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAAGACCAGAGCCCGGTAAACAGAAGATTCAACTCCCAGAAACCGCCTGGAACCCGTGAAGAATCAT
GCTTACCTTTGCGCGGAGCAGAGCAGAATGGTAAATCCGATGCCAAGAAGTGGGGGCATTCTCTTCCAGC
AATGAACTCCTCCTCCACCCTGACTGTATTGAATCTTACCCTGAACGCCTCAGAGGATGGCATTTTAGGA
TCAAATGTCAAGAACAAGTCTTTGGCCTGTGAAGAAATGGGCATTGCCGTGGAGGTGTTCCTGACCCTGG
GTCTCGTCAGCCTCTTAGAGAACATCCTGGTCATTGGGGCCATAGTAAAGAACAAAAACCTGCACTCACC
CATGTACTTCTTTGTGGGCAGCTTAGCCGTGGCCGACATGCTGGTGAGCATGTCCAATGCCTGGGAGACT
GTCACCATATACTTGCTAAATAATAAACACCTGGTGATAGCCGACACCTTTGTGCGACACATCGACAACG
TGTTCGACTCCATGATCTGCATCTCTGTGGTGGCCTCGATGTGCAGTTTGCTGGCCATTGCGGTGGACAG
GTACATCACCATCTTCTATGCCTTGCGCTACCACCACATCATGACCGCGAGGCGCTCGGGGGTGATCATC
GCCTGCATCTGGACCTTCTGCATAAGCTGCGGCATTGTTTTCATCATCTACTATGAGTCCAAGTATGTGA
TCATTTGCCTCATCTCCATGTTCTTCACCATGCTGTTCTTCATGGTGTCTCTGTATATACACATGTTCCT
CCTGGCCCGGAACCATGTCAAGCGGATAGCAGCTTCCCCCAGATACAACTCCGTGAGGCAAAGGACCAGC
ATGAAGGGGGCTATTACCCTCACCATGCTACTGGGGATTTTCATTGTCTGCTGGTCTCCCTTCTTTCTTC
ACCTTATCTTAATGATCTCCTGCCCTCAGAACGTCTACTGCTCTTGCTTTATGTCTTACTTCAACATGTA
CCTTATACTCATCATGTGCAACTCCGTGATCGATCCTCTCATCTACGCCCTCCGCAGCCAAGAGATGCGG
AGGACCTTTAAGGAGATCGTCTGTTGTCACGGATTCCGGCGACCTTGTAGGCTCCTTGGCGGGTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_013596

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Insert Size:	1119 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:	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_013596.2, NP_038624.2
RefSeq Size:	1162 bp
RefSeq ORF:	1119 bp
Locus ID:	17203
UniProt ID:	P41149
Cytogenetics:	18 41.46 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. This receptor is a possible mediator of the immunomodulation properties of melanocortins.[UniProtKB/Swiss-Prot Function]

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