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Product datasheet for SC123786

MCHR (MCHR1) (BC001736) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCHR (MCHR1) (BC001736) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCHR
Synonyms:	G-protein coupled receptor 24; GPR24; G protein-coupled receptor 24; MCH1R; melanin-concentrating hormone receptor 1; MGC32129; SLC1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for BC001736 edited
GCAAGGCAAGCAGCAGCCCCTGTAAGCACACGAGACAATCCCAAGTGTCAGTGGGAAGGA
GATCCCTTTCCTGATGGGGCTGCCTGTGTCCAGTCCCTCCCAGCTTCCCCAGGGCCCTGG
GGCTCTGCAGGCATTCAGAAGTGGAAGCCAGCCACAGCCTGGGACTGAAGAGGTTAATGT
GCATCTGCCTCCGAATGTTAATGTGTCTAGGTGATGTCAGTGGGAGCCATGAAGAAGGGA
GTGGGGAGGGCAGTTGGGCTTGGAGGCGGCAGCGGCTGCCAGGCTACGGAGGAAGACCCC
CTTCCCGACTGCGGGGCTTGCGCTCCGGGACAAGGTGGCAGGCGCTGGAGGCTGCCGCAG
CCTGCGTGGGTGGAGGGGAGCTCAGCTCGGTTGTGGGAGCAGGCGACCGGCACTGGCTGG
ATGGACCTGGAAGCCTCGCTGCTGCCCACTGGTCCCAATGCCAGCAACACCTCTGATGGC
CCCGATAACCTCACTTCGGCAGGATCACCTCCTCGCACGGGGAGCATCTCCTACATCAAC
ATCATCATGCCTTCGGTGTTCGGCACCATCTGCCTCCTGGGCATCATCGGGAACTCCACG
GTCATCTTCGCGGTCGTGAAGAAGTCCAAGCTGCACTGGTGCAACAACGTCCCCGACATC
TTCATCATCAACCTCTCGGTAGTAGATCTCCTCTTTCTCCTGGGCATGCCCTTCATGATC
CACCAGCTCATGGGCAATGGGGTGTGGCACTTTGGGGAGACCATGTGCACCCTCATCACG
GCCATGGATGCCAATAGTCAGTTCACCAGCACCTACATCCTGACCGCCATGGCCATTGAC
CGCTACCTGGCCACTGTCCACCCCATCTCTTCCACGAAGTTCCGGAAGCCCTCTGTGGCC
ACCCTGGTGATCTGCCTCCTGTGGGCCCTCTCCTTCATCAGCATCACCCCTGTGTGGCTG
TATGCCAGACTCATCCCCTTCCCAGGAGGTGCAGTGGGCTGCGGCATACGCCTGCCCAAC
CCAGACACTGACCTCTACTGGTTCACCCTGTACCAGTTTTTCCTGGCCTTTGCCCTGCCT
TTTGTGGTCATCACAGCCGCATACGTGAGGATCCTGCAGCGCATGACGTCCTCAGTGGCC
CCCGCCTCCCAGCGCAGCATCCGGCTGCGGACAAAGAGGGTGACCCGCACAGCCATCGCC
ATCTGTCTGGTCTTCTTTGTGTGCTGGGCACCCTACTATGTGCTACAGCTGACCCAGTTG
TCCATCAGCCGCCCGACCCTCACCTTTGTCTACTTATACAATGCGGCCATCAGCTTGGGC
TATGCCAACAGCTGCCTCAACCCCTTTGTGTACATCGTGCTCTGTGAGACGTTCCGCAAA
CGCTTGGTCCTGTCGGTGAAGCCTGCAGCCCAGGGGCAGCTTCGCGCTGTCAGCAACGCT
CAGACGGCTGACGAGGAGAGGACAGAAAGCAAAGGCACCTGATACTTCCCCTGCCACCCT
GCACACCTCCAAGTCAGGGCACCACAACACGCCACCGGGAGAGATGCTGAGAAAAACCCA
AGACCGCTCGGGAAATGCAGGAAGGCCGGGTTGTGAGGGGTTGTTGCAATGAAATAAATA
CATTCCATGGGGCTCACACGTTGCTGGGGAGGCCTGGAGTCAGGTTTGGGGTTTTCAGAT
ATCAGAAATCCCCTTGGGGGAGCAGGATGAGACCTTTGGATAGAACAGAAGCTGAGCAAG
AGAACATGTTGGTTTGGATAACCGGTTGCACTATATCTGTGAGCTCTCAAATGTCTTCTT
CCCAAGGCAAGAGGTGGAAGGGTACTGACTGGGTTTGTTTAAAGTCAGGCAGGGCTGGAG
TGAGCAGCCAGGGCCATGTTGCACAAGGCCTGAGAGACGGGAAAGGGCCCGATCGCTCTT
TCCCGCCTCTCACTGGTGCGATGGAAGGTGGCCTTTCTCCCAAGCTGGTGGATAATGAAA
AATAAAGCACCTTCTCCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC001736 unedited
TGTCAGAATTGTATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGGCAAGGCAA
GCAGCAGCCCCTGTAAGCACACGAGACAATCCCAAGTGTCAGTGGGAAGGAGATCCCTTT
CCTGATGGGGCTGCCTGTGTCCAGTCCCTCCCAGCTTCCCCAGGGCCCTGGGGCTCTGCA
GGCATTCAGAAGTGGAAGCCAGCCACAGCCTGGGACTGAAGAGGTTAATGTGCATCTGCC
TCCGAATGTTAATGTGTCTAGGTGATGTCAGTGGGAGCCATGAAGAAGGGAGTGGGGAGG
GCAGTTGGGCTTGGAGGCGGCAGCGGCTGCCAGGCTACGGAGGAAGACCCCCTTCCCGAC
TGCGGGGCTTGCGCTCCGGGACAAGGTGGCAGGCGCTGGAGGCTGCCGCAGCCTGCGTGG
GTGGAGGGGAGCTCAGCTCGGTTGTGGGAGCAGGCGACCGGCACTGGCTGGATGGACCTG
GAAGCCTCGCTGCTGCCCACTGGTCCCAATGCCAGCAACACCTCTGATGGCCCCGATAAC
CTCACTTCGGCAGGATCACCTCCTCGCACGGGGAGCATCTCCTACATCAACATCATCATG
CCTTCGGTGTTCGGCACCATCTGCCTCCTGGGCATCATCGGGAACTCCACGGTCATCTTC
GCNGTCGTGAAGAAGTCCAAGCTGCACTGGTGCAAACACGTCCCCGACATCTTCATCATC
AACCTCTCGGTAGTAGATCTCCTCTTTCTCCTGNGCATGCCCTTCATGATCCACCAGCTC
ATGGGCAATNGGGGTGTGGCACTTTGGGGAGACCATGTGCACCCTCATCACGGCCATGGA
TGCCAATAGTCAGTTCACCAGCACCTACATCCTGACCGCCATGGCCATTGACCGCTACCT
GGCCACTGTCCACCCATCTCTTNCACGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for BC001736 unedited
CCGGGGGACATTGGNNGATGGCACTTNCCAGGNCCAGNANAGCACTGGGGNAGGGTCACA
GGGATGCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCG
AGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGGGAAAAGGTGCTT
TATTTTTCATTATCCACCAGCTTGGGAGAAAGGCCACCTTCCATCGCACCAGTGAGAGGC
GGGAAAAAGCGATCGGGCCCTTTCCCGTCTCTCAGGCCTTGTGCAACATGGCCCTGGCTG
CTCACTCCAGCCCTGCCTGACTTTAAACAAACCCAGTCAGTACCCTTCCACCTCTTGCCT
TGGGAAAAAAACATTTGAAAGCTCACAGATATAGTGCAACCGGTTATCCAAACCAACATG
TTCTCTTGCTCAACTTCTGTTCTATCCAAAGGTCTCATCCTGCTCCCCCAAGGGGATTTC
TGATATCTGAAAACCCCAAACCTGACTCCAGGCCTCCCCAGCAACGTGTGAGCCCCATGG
AATGTATTTATTTTATTGGAACAACCCCTCACAACCCGGCCTTCCTGCATTTCCCGAGCG
GTCTTGGGTTTTTCTCAACATCTCTCCCGGTGGCGTGTTGTGGTGCCCTGACTTGGAGGT
GTGCACGGTGGCAGGGGAAGTATCAAGTGCCTTTGCTTTCTGTCCTCTCCTCGTCCACCC
TCTGAACGTTGCTGACAGCGCGAAACTGCCCCTGGGCTGCAGGCTTAACCGACAGGGACC
AAACGTTTGCGGAACGTCTTTAAAGAACCGGATGTCAACCAAGGGGTTTGAGGCACCTGT
TTGCTTAACCCCAAGCTTGTGGGCCGCATTGTTTAAATAGACAAAG

Restriction Sites: Please inquire

ACCN: BC001736

Insert Size: 2150 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:	BC001736.1, AAH01736.1
RefSeq Size:	2042 bp
RefSeq ORF:	1266 bp
Locus ID:	2847
Cytogenetics:	22q13.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	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]