

Product datasheet for **SC122632**

MCH (PMCH) (NM_002674) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCH (PMCH) (NM_002674) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCH
Synonyms:	MCH; ppMCH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002674 edited AGGCTGACAGAGAAATTTTTCATTTTCTTTCTTGTGTTGACTGTATGCAAACATCAA AGAAATGGCAAAAATGAATCTCTCTTCTATATATTAATACTAACTTTTCTTTGTTTCT CAAGGTATTTTACTTTTCAGCATCCAAGTCCATAAGAAATTTAGATGATGACATGGTATTT AATACATTCAGGTTGGGGAAAGGCTTTTCAGAAAGGAAAGACTGCAGAAAAATCAGTTATT GCTCCTCCCTGGAAACAATATAAAAATGATGAGAGCAGTTTCATGAACGAAGAGGAAAAAT AAAGTTTCAAAGAACACAGGCTCCAAACATAATTTCTTAAATCATGGTCTGCCACTGAAT CTGGCTATAAACCTTATCTTGCCTAAAAGGATCTGTAGCTTTCCAGCTGAGAATGGA GTTTCAAGAACTGAATCAACACAAGAAAAGAGAGAAATTTGGGGATGAAGAAAACAGCT AAATTTCTATAGGAAGGAGAGATTTTGACATGCTCAGATGTATGCTGGGAAGAGTCTAC CGACCTTGTGGCAAGTCTGATACCTGTTGGTCCACATCATCTTTTCAGAAAGAAAATAAA AGCATTTAATTGCAATGGGAGGAGAAGCCCACTGCTACTATAACTTGTGTATGTTAA ATGCTGTTTTAAAGAAAGTAGTGTAAAGATGTATCAGTAACTGAAATGATATGCTTTT TCTGTGCATTAACCTTTGTGAAAATTCTGCAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002674 unedited GACGTTACGACATTTGTNATACGACTTACTATAGGCGGCCGCATAACTTCGTATAGCATAC ATTATACGAAGTTATGGATCATGCCAAATCGGCCGATCTCGAATTCGTGAGAGCGGAGG CTGACAGAGAAATTTTTCATTTTCTTTCTGTTTGACTGTATGCAAACATCAAATAAGA ATGGCAAAATGAATCTCTCTTCTATATATTAATACTAACTTTTCTTTGTTTCTCAA GGTATTTTACTTTTCAGCATCCAAGTCCATAAGAAATTTAGATGATGACATGGTATTTAAT ACATTCAGGTTGGGAAAGGCTTTCAGAAGGAAGACACTGCAGAAAAATCAGTTATTGCT CCTTCCCTGGAACAATATAAAAATGATGAGAGCAGTTTCATGAACGAAGAGGAAAAATAAA GTTTCAAAGAACACAGGCTCCAAACATAATTTCTAAATCATGGTCTGCCACTGAATCTG GCTATAAAACCTTATCTTGCCTAAAAGGATCTGTAGCTTCCAGCTGAGAATGGAGTT CAGAATACTGAATCAACACAAGATAAGAGAGAAATGGGGATGAAGAAAACCTCAGCTAAA TTTCTATAGGAAGGAGAGATTTTGCATGCTCAGATGTATGCTGGGAAGAGTCTACCGA CCTTGTGGCAAGTCTGATACCTGTTGGTCCACATCATTTTTTTCAGAAGAAAATAAAAGC ATTTATTGCCAATGGGAGGAGAAAGCCATACTGCTACTATAACTTGNGTATGTTAAAATG TCTGTTTTAAAAGAAAGTGTAAAGATGTATCAGTTACTGAAATGATATGCTTTCTCTG TGCATTAACACTTGTGAAAATTCTGCAAAAAAAAAAACTCTNCAGCGCTGGATCCNGC CATAAGGGCCTGATCCTTCGAGGGG
Restriction Sites:	Please inquire
ACCN:	NM_002674
Insert Size:	765 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:	<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_002674.2 , NP_002665.2
RefSeq Size:	757 bp
RefSeq ORF:	498 bp
Locus ID:	5367
UniProt ID:	P20382
Cytogenetics:	12q23.2
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

Gene Summary:

This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include melanin-concentrating hormone (MCH), neuropeptide-glutamic acid-isoleucine (NEI), and neuropeptide-glycine-glutamic acid (NGE). Melanin-concentrating hormone is a 19-amino acid neuropeptide that stimulates hunger and may additionally regulate energy homeostasis, reproductive function, and sleep.

Pseudogenes of this gene have been identified on chromosome 5. [provided by RefSeq, Jul 2015]