

Product datasheet for **MC212225**

Pmch (NM_029971) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmch (NM_029971) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pmch
Synonyms: A230109K23Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212225 representing NM_029971
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAAAGATGACTCTCTCTTCTACATGTTAATGCTGGCTTTTCTTTGTTTTCTCAAGGTATTTTAC
TTTCAGCTTCCAAGTCCATAAGGAATTTGGAAGATGACATAGTATTTAATACATTTCGAATGGGAAAGC
CTTTCAGAAGGAAGATACTGCAGAAAGATCCGTTGTCGCCCTTCTCTGGAACAATACAAAAACGACGAG
AGCGGTTTCATGAACGATGATGACAATAAGAATTCAAAGAACACAGGCTCAAACAGAATCTTGTA
ACTCACGGGCTGCCACTGAGTCTGGCTGTAAACCTTACCTCGCTCTGAAAGGATCCGTAGCCTTCCCAGCTGA
GAATGGAGTTCAGAATGCTGAGTCCACACAGGAAAAGAGAGAAATTTGGGGATGAAGAAAACCTCAGCTAAA
TTTCCCATAGGAAGGAGAGATTTTGACATGCTCAGGTGTATGCTGGGAAGAGTCTACCGACCATGTTGGC
AAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029971
Insert Size: 498 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).



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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:	<u>NM_029971.2</u> , <u>NP_084247.1</u>
RefSeq Size:	748 bp
RefSeq ORF:	498 bp
Locus ID:	110312
UniProt ID:	<u>P56942</u>
Cytogenetics:	10 43.7 cM
Gene Summary:	This gene encodes a preproprotein that is cleaved to produce three mature peptides: melanin concentrating hormone, neuropeptide-glutamic acid-isoleucine (NEI), and neuropeptide-glycine-glutamic acid (NGE). The proprotein is processed differently depending on the tissue where it is expressed. Melanin concentrating hormone is involved in the regulation of food intake, energy homeostasis, and sleep-wake behavior. Disruption of this gene is associated with resistance to diet-induced obesity. [provided by RefSeq, May 2013]