

Product datasheet for **MC226876**

Mc2r (NM_001271717) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mc2r (NM_001271717) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mc2r
Synonyms: ACTH-R; ACTHR; MC2-R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226876 representing NM_001271717
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAAGCATATTATCAATTCGTATGAACACACCAATGACACCGCAAGAAATAACTCCGATTGTCCTGATG
 TAGTTTTGCCAGAAGAGATATTTTTACAATCTCTGTCATTGGCATATTGGAGAAGTTGATTGTCCTCCT
 GGCTGTGATCAAAAATAAAAATCTCCAGTCCCCATGTATTTTTTCATCTGCAGTTGGCCATTTCTGAC
 ATGTTGGGAGTCTGTATAAGATCTTGGAAAACATCCTGATCATGTTTCAGAAACATGGGTTATCTTAAGC
 CTCGTGGCAGTTTTGAAAGCACAGCAGATGACATCATTGACTGCATGTTTCATCCTCTCTTTGCTGGGCTC
 TATCTTCAGCCTGTCTGTATTGACAGTACCGTTACATCACCATCTCCATGCCCTGCAATACCATAGC
 ATTGTGACCATGCGCCGACCATCATCACCTAACAATTATCTGGATGTTCTGCACAGGGAGCGGCATCA
 CCATGGTGATCTTCTCCACCACATCCCCACAGTGCTCACCTTCACATCGCTGTTCCCTTTGATGCTGGT
 TTTTATCTGTCTCTACATCCACATGTTCTTACTTGCCCGCTCCCATGCTAGGAAGATCTCTACCCTT
 CCTAGAACCAACATGAAGGGTGCCATGACACTAACCATCCTTCTGGAGTCTTCATCTTGTGGGCC
 CCTTTGTGCTCCATGTTCTTAAATGACCTTCTGCCAAATAACCTTACTGTGTTGCTACATGCTCTCT
 CTCCAGTCAATGGCATGTTGATCATGTGCAATGCAGTTATTGACCCCTTATATATGCCTTTCGGAGC
 CCAGAGCTCAGAGATGCATTCAAAGGATGCTCTTCTGCAACCGTATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271717
Insert Size: 891 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271717.1</u> , <u>NP_001258646.1</u>
RefSeq Size:	1608 bp
RefSeq ORF:	891 bp
Locus ID:	17200
UniProt ID:	<u>Q64326</u>
Cytogenetics:	18 41.89 cM
Gene Summary:	Receptor for corticotropin (ACTH). This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase (cAMP).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 4. Variants 1, 2, 3 and 4 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.