

Product datasheet for **MC226877**

Mc2r (NM_001301372) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mc2r (NM_001301372) 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: >MC226877 representing NM_001301372
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGAAGCATATTATCAATTCGTATGAACACACCAATGACACCGCAAGAAATAACTCCGATTGTCCTGATG
TAGTTTTGCCAGAAGAGATATTTTTACAATCTCTGTCATTGGCATATTGGAGAAGTTGATTGTCCTCCT
GGCTGTGATCAAAAATAAAAATCTCCAGTCCCCATGTATTTTTTCATCTGCAGTTGGCCATTTCTGAC
ATGTTGGGCAGTCTGTATAAGATCTTGGAAAACATCCTGATCATGTTTCAGAAACATGGGTTATCTTAAGC
CTCGTGGCAGTTTTGAAAGCACAGCAGATGACATCATTGACTGCATGTTTCATCCTCTCTTTGCTGGGCTC
TATCTTACGCCTGTCTGTATTGACAGTACCGTTACATCACCATCTTCCATGCCCTGCAATACCATAGC
ATTGTGACCATGCGCCGACCATCATCACCTAACAATTATCTGGATGTTCTGCACAGGGAGCGGCATCA
CCATGGTGATCTTCTCCCACCACATCCCACAGTGCTCACCTTCACATCGCTGTTCCCTTTGATGCTGGT
TTTTATCTGTGTCTCTACATCCACATGTTCTTACTTGCCCGCTCCCATGCTAGGAAGATCTCTACCCTT
CCTAGAACCAACATGAAGGGTGCCATGACACTAACCATCCTTCTGGAGTCTTCATCTTGTGGGCC
CCTTTGTGCTCCATGTTCTCTTAATGACCTTCTGCCAAATAACCCTTACTGTGTTTGTACATGCTCTCT
CTTCCAGTCAATGGCATGTTGATCATGTGCAATGCAGTTATTGACCCCTTTATATATGCCTTTCGGAGC
CCAGAGCTCAGAGATGCATTCAAAGGATGCTCTTCTGCAACCGGTATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301372
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_001301372.1</u> , <u>NP_001288301.1</u>
RefSeq Size:	1782 bp
RefSeq ORF:	891 bp
Locus ID:	17200
UniProt ID:	<u>Q64326</u>
Cytogenetics:	18 41.89 cM
Gene Summary:	<p>Receptor for corticotropin (ACTH). This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase (cAMP).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) represents the longest transcript and encodes a 296aa protein. 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.</p>