

## Product datasheet for **MC219108**

### **Amhr2 (NM\_144547) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Amhr2 (NM_144547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amhr2
Synonyms:	Misiir; Misrii; Mrii
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219108 representing NM\_144547  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGGACACTGGGGCTTTGGACACTGCTTCTCGCGCAGCACAAGTATCCCCAAACAGGAGGACCT  
 GTGTGTTCTTTGAGGCTCCTGGAGTGCGGGGAAGCACAAGACTGGGGAAATGGTAGATGCAGGACC  
 AGGCCCCCCAAGGGTATCCGCTGCCTCTACAGCCATTGCTGCTTTGGGATCTGGAATCTTACCCATGGC  
 CGGGCACAAGTGAGATGCAAGGATGCCGAGACAGTGTAGCCAGGCTGTGAGTCCCTCCACTGTGACC  
 CAGTCCCAGAGCCACCCGAACCCAGCTCCACACTTTCACGTGTTCTGTGGCACTGACTTCTGCAA  
 TGCCAATTACAGCCATCTGCCTCCTTCGGGAAACCAAGGGGCTCCTGGCCCCAGGAGCCCCAGGCTACC  
 CCAGTGGGCCCTGCTGGATGGCACTGCTCCTGGGAATGTTTCTCGTGTGTGCTGAGTAGCATCA  
 TCTTGGCCCTGTACAACGAAAGCCTGCAGAGTCAAGGTGGGTGAGCCAGACCCAGAGCCCGGCTCAGCGG  
 AGACTGCAGTGAGGAAGTCCAGAGCTGGCCGAGCTGCGTTTCTCCAGGTAATCCAGGAAGGAGTGCAT  
 GCAGTCGTCTGGCCCGGAGGCTTCAGGGTGAGATGGTAGCCATCAAGGCCCTCCCCCAAGGGCTGTGG  
 CCCAGTCCGAGCTGAGAGGGCTGTGTACCAGCTGCTAGGCCTACAGCATGACCATATCGTTTCGCTTAT  
 CACTGCTGGCCAGGGAGGCCCTGGCCCTCTGCCCTCTGGGCTTTGCTGGTACTGGAAGTGTACCCTAAG  
 GGCTCCTTATGCCACTACTTGACTCAGTACACGAGCGACTGGGGAAGTTCCTTGAGGATGGCTCTGTCCC  
 TGGCAGAGGGCTTGGCTTTTCTCCACGAGGAGCGTTGGCAGGATGGCCAGTACAAACCAGGTATCGCCCA  
 CCGAGACTGAGCAGCCAGAATGTGCTCATTGGGAAGATAGGTGCATGCCCATCGGGGACCTGGGCCTT  
 GCCTTGGTACTCCCTGGTCTTGTCTAGCCCCCTGCCTTGGCCCCACTCAACCCGAGGCCCGCTGCCA  
 TTTTGGAGGCTGGCACCCAGCGGTACATGGCTCCAGAGCTTTGGACAAGACTTAGACTTGCAGGACTG  
 GGGTACAGCTCTCCAGAGAGCGGATGTTTACTCTCTGGCGTACTACTGTGGGAGATCCTGAGCCGCTGT  
 TCCGATTTGAGGCCTGACCACAGACCACCCTTTCCAATTGGCTTATGAGGCAGAAGTGGCAGCAATC  
 CCAGTGCCTGTGAGCTCTGGGCCCTGGCAGTGGAGGAGAGGAAGCGCCCCAACATCCCATCCACTTGGAG  
 CTGCTCTGCCACAGACCCTCGGGGGCTGAGGGAGCTCCTGGAAGATTGCTGGGACGCAGACCCAGAAGCA  
 CGGCTGACAGCTGAGTGTGTGCAGCAGCGCTGGCAGCCCTGGCTTACCCTCACGGGGCTCCTTTTCC  
 CAGAGAGTCCACAGGGCTGCCAGAGAACTGCCTTTCAGCTCCCCTCTGCCGTTTTCCCTGTGCGCC  
 TCAGCAGAGTTCTTGTCTCCTCAGTGTTCAGCAAGGCCCTGGCTTAGGAGTCCCGATCCTGTAGGCGAC  
 ACTGTTCAGGTGTATGTAATGAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1883\\_a10.zip](https://cdn.origene.com/chromatograms/ja1883_a10.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_144547

**Insert Size:** 1707 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [BC119571](#), [AAI19572](#)

**RefSeq Size:** 1947 bp

**RefSeq ORF:** 1707 bp

**Locus ID:** 110542

**UniProt ID:** [Q8K592](#)

**Cytogenetics:** 15 57.58 cM

**Gene Summary:** On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for anti-Muellerian hormone.[UniProtKB/Swiss-Prot Function]