

Product datasheet for **RR204670**

Amhr2 (NM_030998) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amhr2 (NM_030998) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Amhr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204670 representing NM_030998
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGGACACTGGGGCTTTGGACACTGCTTCTCGAGCTGCACAAGTATCCCCAACAGGAGGACCT
 GTGTGTTCTTTGAGGCTCCTGGAGTTTCGGGAAGCACAAAAACACTGGGGGAAGTGGTAGATGCAGGACC
 AGGCCCCCGAAGGGTATCCGCTGCCTCTACAGCCATTGCTGCTTTGGGATCTGGAATCTGACCCATGGC
 CGGGCACAAAGTGAGATGCAAGGATGCCTAGACAGTGTGAACCCGGCTGTGAGTCCCTCCACTGTGACC
 CCGTCCCCGAGCGCACCCAGCCAGCTCCACACTTTCACATGCTCCTGCGGTACCGACTTCTGCAA
 TGCCAACACAGCCATCTGCCTCCTTCAGGAAACCGAGGGGCTCCCGCCCCAGGAGCCTCAGGCTACC
 CCAGTGGGCCATCTGGATGGCGCAGCTGCTGCTGGGAGTGTTCCTTGTGCTGCTGAGTATCATCA
 TCTTGGCCCTGTTACAACGAAAAGCCTGTAGAGTGAAGGTGGGTGAGCCCGGAGCCGGAGCCAGGCTC
 AGGAGGAGACTGCAGTGAGGAAGTGCCTGAGTTGGCTGAGCTGCGCTTCTCCAGGTAATCCAGGAAGGA
 GGTGATGCAGTCGCTGGGCTGGGAGGCTCCAGGGTGAAGTGGTACCCATCAAGGCTTCCCCCAAGGG
 CTGTGGCCGAGTTCGAGCTGAGCGAGCTGTGTACCAGCTGCTAGGCCTACAGCATAACCACATTGTTCCG
 CTTTATCACTGCTGGCCAGGGAGGTCCTGGCCCTTGGCCTCTGGGCTTTGCTGGTACTGGAAGTGTAC
 CCTAAGGGCTCCTTATGCCACTACTTGACTCAGTACACGAGCGACTGGGGCAGTTCCTTGAGGATGGCTC
 TGTCCCTGGCCGAGGGCTGGCCTTTCTCCACGGGAGCGTTGGCAGGATGGCCAGTACAAACAGGAT
 CGCTCACCGAGACCTGAGCAGCCAGAATGTGCTCATTTCGGGAAGATAGGTGATGTCCATCGGAGACCTG
 GGCTTGGCTTGGTACTCCTGGCCTTGGCTCAGCCCCCTGCCTTGGCCCTACTCAACCCGAGGCCAG
 TGCCATTTTGGAGGCTGGCACCCAGAGGTACATGGCTCCGAGCTCTTGACAAGACTAGACACTAGAC
 GGACTGGGGCACAGCTCTCCAGAGAGCGGATGTTTACTCTCTGGCTCTACTACTGTGGGAGATCCTGAGC
 CGCTGTTCCGATTTGAGGCTGACCACAGACCACACCTTTTCAATTGGCTTATGAGGCAGAACTGGGCA
 GCAATCCAGTGCCTGTGAGCTCTGGCCCTGGCGGTGCGGAGAGGAAGCGCCCCAACATCCCTTCTCTC
 TTGGAGCTGCTCTGCCACAGACCCTAGGGGGCTGAGGGAGCTCCTGGAAGATTGCTGGGACGAGACCCA
 GAAGCAAGGCTGACAGCTGAGTGTGTGCAGCAGCGCTGGCAGCCCTGGCTTATCCTCAGGTGGCTTCTC
 CCTTCCCAGAGAGCTGTCCACAGGGTGGCCAGAGAACTGCCCTGCAGCGCTGCCTCTGCGGCTTCC
 CTGCAAGGCTCAGCAGAGTCTTGTCTCCTCAGTTCAGCAAGGCTCTGGCTCTAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204670 representing NM_030998
 Red=Cloning site Green=Tags(s)

MLGTLGLWTLPPAAAQVSPNRRTCVFFEAPGVRGSKTLGEVVDAGPGRPVGIRCLYSHCCFGIWNLTHG
 RAQVEMQGLDSDPEGCESLHCDPVRAHPSPSTLFTCSCGTFDFCNANYSHLPPSGNRGAPGPQEPQAT
 PGGPIWMAQLLLGVFLVLLLSIIILALLQRKACRVQGGSDPEPEPGSGGDCSEELPELAELRFSQVIQEG
 GHAVVWAGRLQEMVAIKAFPPRAVAQFRAERAVYQLLGLQHNHIVRFITAGQGGPGLPSGPLLVLELY
 PKGSLCHYLTYTSDWGSRLMALSLAEGLAFLHGERWQDQYKPGIAHRDLSSQNVLIREDRSCAIGDL
 GLALVLPGLAQPALAPTQPRGPAAILAAGTQRYMAPELLDKTLDLQDWGTALQRADVYSLALLLWEILS
 RCDLRPDHRPPFQLAYEAEELGSNPSACELWALAVAERKRNIPSSWSCSATDPRGLRELLEDWDADP
 EARLTAECVQQLAALAYPQVASSFPESCPCPENCPAAPASAAFCRPPQSSCLLSVQVQSGSKS

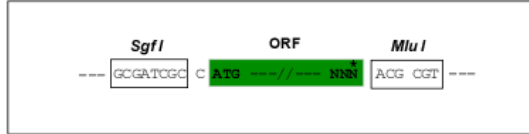
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

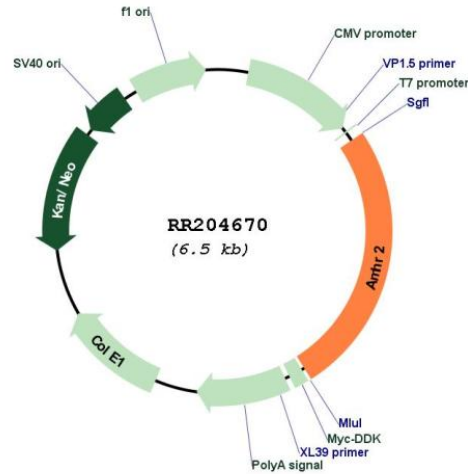
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_030998

ORF Size: 1671 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_030998.1](#), [NP_112260.1](#)

RefSeq Size: 1964 bp

RefSeq ORF: 1674 bp

Locus ID: 29530

UniProt ID: [Q62893](#)

Cytogenetics: 7q36

MW: 59.7 kDa

Gene Summary: receptor that binds Mullerian inhibiting substance; involved in testis and ovary function [RGD, Feb 2006]