

Product datasheet for **RG228395**

AMHR2 (NM_001164691) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMHR2 (NM_001164691) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMHR2
Synonyms:	AMHR; MISR2; MISRII; MRII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG228395 representing NM_001164691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTAGGGTCTTTGGGGCTTTGGGCATTACTTCCCACAGCTGTGGAAGCACCCCAACAGGGCAACCT
 GTGTGTTCTTTGAGGCCCTGGAGTGCGGGGAAGCACAAAGACACTGGGAGAGCTGCTAGATACAGGCAC
 AGAGCTCCCCAGAGCTATCCGCTGCCTCTACAGCCGCTGCTGCTTTGGGATCTGGAACCTGACCCAAGAC
 CGGGCACAGGTGGAAATGCAAGGATGCCGAGACAGTGATGAGCCAGGCTGTGAGTCCCTCCACTGTGACC
 CAAGTCCCGAGCCACCCAGCCCTGGCTCCACTCTCTTACCTGCTCCTGTGGCACTGACTTCTGCAA
 TGCCAATTACAGCCATCTGCCTCCTCCAGGAGCCCTGGGACTCCTGGCTCCCAGGGTCCCAGGCTGCC
 CCAGGTGAGTCCATCTGGATGGCACTGGTGTCTGGGGCTGTTCTCCTCCTCCTGCTGCTGCTGGCA
 GCATCATCTTGGCCCTGTACAGCGAAAGAACTACAGAGTGCGAGGTGAGCCAGTGCCAGAGCCAAGGCC
 AGACTCAGGCAGGACTGGAGTGTGGAGCTGCAGGAGCTGCCTGAGCTGTGTTTCTCCAGGTAATCCGG
 GAAGGAGTTCATGCAAGTGGTTTGGGGCCGGCAGCTGCAAGGAAAAGTGGTTGCCATCAAGGCCTTCCCAC
 CGAGGTCTGTGGCTCAGTTCAGCTGAGAGAGCATTGTACGAACTTCCAGGCCTACAGCAGCACCACAT
 TGTCCGATTTATCACTGCCAGCCGGGGGGTCTGGCCGCTGCTCTCTGGGCCCTGCTGGTACTGGAA
 CTGCATCCCAAGGGTCCCTGTGCCACTACTTGACCCAGTACACCAGTACTGGGAAAGTCCCTGCGGA
 TGGCACTGTCCCTGGCCAGGGCTGGCATTCTCCATGAGGAGCGCTGGCAGAAATGGCCAATAAACC
 AGGTATTGCCACCGAGATCTGAGCAGCCAGAAATGTGCTATTGCGGAAGATGGATCGTGTGCCATTGGA
 GACCTGGGCCCTTGCCTTGGTGTCCCTGGCCTCACTCAGCCCCCTGCCTGGACCCCTACTCAACCACAAG
 GCCAGCTGCCATCATGGAAGACCCTGATGGGCTGAGGGAGCTCCTAGAAGACTGTTGGGATGCAGACCC
 AGAAGCACGGCTGACAGCTGAGTGTGTACAGCAGCGCCTGGCTGCCTTGGCCATCCTCAAGAGAGCCAC
 CTTTTCCAGAGAGCTGTCCACGTGGCTGCCACCTCTCTGCCAGAAAGACTGTACTTCAATTCCTGCC
 CTACCATCTCCCTGTAGGCCTCAGCGGAGTGCCTGCCACTTACAGGTTAGCAAGGCCCTTGTCCAG
 GAATCCTCAGCCTGCCTGTACCCTTCTCTGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG228395 representing NM_001164691
 Red=Cloning site Green=Tags(s)

MLGSLGLWALLPTAVEAPPNRRTCFFVFEAPGVRGSKTLGELLDGTGTELPRAIRCLYSRCCFGIWNLTQD
 RAQVEMQGCGRDSEPGCESLHCDPSRAHPSPGSTLFTCSCGDFCNANYSHLPPPGSPGTPGSQGPQAA
 PGESIWMALVLLGLFLLLLLLLLSIILALLQRKNYRVRGEPVPEPRPDSGRDWSVELQELPELFCFSQVIR
 EGGHAVVWAGQLQGKLVAIKAFPPRSVAQFQAERALYELPGLQHDHIVRFITASRGGPGRLLSGPLLVLE
 LHPKGSGLCHYLTYTSDWGSRLMALSLAQGLAFLHEERWQNGQYKPGIAHRDLSSQNVLIREDGSCAIG
 DLGLALVLPGLTQPPAWTPTQPQGPAAIMEDPDGLRELLEDWDADPEARLTAECVQQRALAAHPQESH
 PFPESCRGPCPLCPEDCTSIAPPTILPCRQRSACHFSVQGGPCSRNPQPACTLSPV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001164691

ORF Size: 1434 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_001164691.2](#)

RefSeq Size: 1578 bp

RefSeq ORF: 1437 bp

Locus ID: 269

UniProt ID: [Q16671](#)

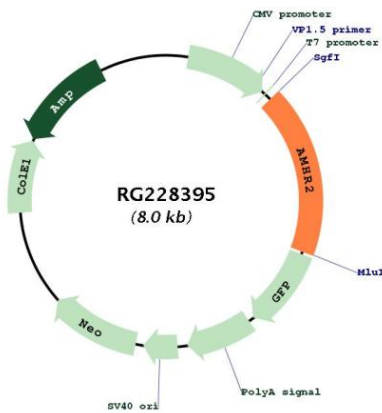
Cytogenetics: 12q13.13

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

Gene Summary: This gene encodes the receptor for the anti-Mullerian hormone (AMH) which, in addition to testosterone, results in male sex differentiation. AMH and testosterone are produced in the testes by different cells and have different effects. Testosterone promotes the development of male genitalia while the binding of AMH to the encoded receptor prevents the development of the mullerian ducts into uterus and Fallopian tubes. Mutations in this gene are associated with persistent Mullerian duct syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2009]

Product images:



Circular map for RG228395