

Product datasheet for **MC218936**

Amh (NM_007445) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amh (NM_007445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amh
Synonyms:	M; MIS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218936 representing NM_007445
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATG**CAGGGGCCACACCTCTCTCCACTGGTACTGCTGCTAGCGACTATGGGGCTGTGTTACAGCCTGAGG**
CGTTGAAAACCTGGCCACCAATACCAGGGCCTCATCTTCCTTGAAGATGAGCTCTGGCCCCAGCAG
CCCCCTGAACCTTTGTGCCTGGTGACAGTGAGAGGAGAGGGAAACACAAGCAGAGCTTCCTCGAGGGT
GTGGGGGTCTGAACAGCTATGAGTATGCCTTCCTGGAGGCTGTCCAGGAGTCTCGCTGGGGACCCCAAG
ACCTGGCCACCTTCGGAGTCTGCAGCACTGACTCCCAGGCTACCCTGCCTGCCCTGCAGCGCCTTGGGGC
CTGGCTAGGGGAGACTGGAGAACAGCAGTTGCTAGTCCTACATCTGGCTGAAGTGATATGGGAGCCCGAG
CTCTTGCTGAAGTTCCAAGAGCCTCCACCTGGGGAGCCAGCCGCTGGGAGCAGGCCCTGTTAGTGTAT
ACCCTGGACCAGGCCCCAGGTACAGTCACAGGGACTGGACTGCGGGGCACACAGAACCTCTGCCCTAC
TCGGGACACCCGCTATTTGGTGTAACCGTGGACTTCCCAGCGGGGCCCTGGAGCGGCTCGGGCCTCATC
TTAACCTTCAACCAAGCAGAGAAGGTGCCACCCTGAGCATCGATCAGCTGCAAGCTTTCTATTTGGCT
CTGATTCGCTGTTTACGCGGATGACTCCCACCCTGGTGGTGCTGCCACCCGCCGAGCCGTCACCCGA
GCCAGCACACGGCCAGCTGGACACCATGCCTTCCCGCAGCCTGGACTGTCCCTGGAGCCTGAGGCCCTG
CCACACAGCGCCGACCCCTTCTAGAGACCCTCACTCGCTTGGTTCGTGCTCTGCGGGGACCTCTGACCC
AGGCTTCGAACACGCAACTGGCCCTGGACCCTGGTGCCTGGCCAGCTTCCCACAGGGCCTGGTCAACCT
GTCAGACCCCGCAGCACTGGGACGCTGCTCGACTGGGAGGAACCCCTATTACTGCTGCTGTACCCGCT
GCGGCCACGGAGAGGGAACCTATGCCGCTGCACGGCCCGCTTCTGCTCCCTGGGAGCGGGCCTGCAAC
CAGGGTGGCAGTGGAGCTGCAGCGGCAGCCTCAGAGCTGCGGGACCTCCCGGGTCTGCCACCCACAGC
TCCCCCGCTGCTGGCGCGCTGCTAGCGCTGTGTCCCAACGACTCCCGCAGCTCCGGGGACCCGCTGCGC
GCGCTGCTGCTGCTAAAGGCGCTGCAGGGCTTACGTGCCGAGTGGCATGGCGGGGAAGGCGTGGGAGAA
CGGGGCGCAGCGCGGGGACAGGGACAGACGGCCCTTGCAGCTGCGCGAGCTGAGTGTAGATCTGCGCGC
GGAGCGTTCAGTGTCTATCCCGGAGACCTACCAAGCCAACAACCTGCCAAGGCGCTGCGCGTGGCCGAG
TCTGACCGTAATCCGCGCTACGGGAACCACGTGGTGTGCTGCTAAAAATGCAGGCTCGCGGGGCTGCC
TGGGCCGCTGCCCTGCTGCGTGCCACTGCCTACGCGGGCAAGCTGCTCATCAGCTGTCCGAGGAGCG
CATCAGCGCGCACACGTGCCAACATGGTAGCCACCGAGTGGGCTGCCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007445

Insert Size: 1665 bp

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).

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_007445.2](#), [NP_031471.2](#)

RefSeq Size: 1665 bp

RefSeq ORF: 1665 bp

Locus ID: 11705

Cytogenetics: 10 39.72 cM

Gene Summary: This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate N- and C-terminal cleavage products that homodimerize and associate to form a biologically active noncovalent complex. This complex binds to the anti-Mullerian hormone receptor type 2 and causes the regression of Mullerian ducts in the male embryo that would otherwise differentiate into the uterus and fallopian tubes. This protein also plays a role in Leydig cell differentiation and function and follicular development in adult females. Homozygous knockout male mice develop female reproductive organs and are often sterile, while homozygous knockout female mice exhibit premature depletion of primordial follicles. [provided by RefSeq, Jul 2016]