

Product datasheet for **SC126077**

AMH (NM_000479) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMH (NM_000479) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMH
Synonyms:	MIF; MIS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000479 edited
 CCAGCCCCGGCAGCACCCACGATGCGGGACCTGCCTCTCACCAGCCTGGCCCTAGTGCT
 GTCTGCCCTGGGGGCTCTGCTGGGGACTGAGGCCCTCAGAGCAGAGGAGCCAGCTGTGGG
 CACCAGTGGCCTCATCTCCGAGAAGACTTGGACTGGCTCCAGGCAGCCACAAGAGCC
 TCTGTGCCTGGTGGCACTGGGCGGGACAGCAATGGCAGCAGCTCCCCCTGCGGGTGGT
 GGGGGCTAAGCGCCTATGAGCAGGCCCTCCTGGGGCCGTGCAGAGGGCCCGCTGGGG
 CCCCCGAGACCTGGCCACCTTCGGGGTCTGCAACACCGGTGACAGGCAGGCTGCCTTGCC
 CTCTCTACGGCGGCTGGGGCCTGGCTGCGGGACCCTGGGGGACGCGCCTGGTGGTCT
 ACACCTGGAGGAAGTGACCTGGGAGCAACACCCTCGCTGAGGTTCCAGGAGCCCCGCC
 TGGAGGAGCTGGCCCCCAGAGCTGGCGCTGCTGGTGTGTACCTGGGCTGGCCCTGA
 GGTCACTGTGACGAGGGCTGGGCTGCCAGGTGCCAGAGCCTCTGCCCTCCGAGACAC
 CCGCTACCTGGTGTAGCGGTGGACCGCCTGCGGGGCTGGCGCGGCTCCGGGCTGGC
 CTTGACCCTGCAGCCCCGAGAGGACTCCCGGCTGAGTACCGCCGGCTGCAGGCACT
 GCTGTTCCGGGACGACCACCGCTGCTTACACGGATGACCCCGGCCCTGCTCCTGCTGCC
 GCGGTCCGAGCCCGCGCCGCTGCTGCGCACGGCCAGCTGGACACCGTGCCTTCCGCC
 GCCCAGGCCATCCGCGGAACTCGAGGAGTCGCCACCCAGCGCAGACCCCTTCTGGAGAC
 GCTCACGCGCCTGGTGGGGGCTGCGGGTCCCCCGGCCGGGCTCCGCGCCGCGCCT
 GGCCCTGGATCCGGACGCGCTGGCCGGCTTCCCGCAGGGCCTAGTCAACCTGTGGACCC
 CGCGGGCTGGAGCGCCTACTCGACGGCGAGGAGCCGCTGCTGCTGCTGAGGCCCAC
 TGCGGCCACCACCGGGATCCTGCGCCCTGCACGACCCACGTGCGGCCGTGGGCCAC
 GGCCCTGGCGCCCGCTGGCTGCTGAAGTGAAGCGGGCTGCCGAGCTGCGAAGCCT
 CCCGGTCTGCCTCCGGCACAGCCCCGCTGCTGGCGCGCTGCTCGCGCTTGCACCAGG
 AGGCCCCGGCGCCCTCGGCGATCCCCTGCGAGCGCTGCTGCTCTGAAGCGCTGCAGGG
 CCTGCGCGTGGAGTGGCGGGGCGGATCCGCGCGGGCCGGTGGGACACAGCGCAGCGC
 GGGGGCCACCGCCGCGACGGGCGTGGCGCTGCGCGAGCTCAGCGTAGACCTCCGCGC
 CGAGCGCTCCGTACTCATCCCCGAGACCTACCAGGCCAACAAATGCCAGGGCGTGTGCGG
 CTGGCCTCAGTCCGACCCCAACCCGCGCTACGGCAACCACGTGGTGTGCTGTAAGAT
 GCAGGCCCGTGGGGCCCGCTGGCGCGCCACCCTGCTGCGTGGCCACCGCTACGCGGG
 CAAGCTGCTCATAGCCTGTGAGGAGCGCATCAGCGCGCACACGTGCCAACATGGT
 GGCCACCGAGTGTGGTCCGGTGACCCCTGCGCCGCGGGACTCCTGCCCGAGGGTCC
 GGACGCGCCCCAGCTCGCGCCCTTCCCATATTTATTCGACCCCAAGCATCGCCCAAT
 AAAGACCAGCAAGCAACCGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000479 unedited
 NGGCCGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGATTCTGGTACCGGTC
 CGGAATTCGGGATCCAGCCCCCTGGCAGCACCCACGATGCGGGACCTGCCTCTCACCAG
 CCTGGCCCTAGTGTCTGCTGCCCTGGGGCTCTGCTGGGACTGAGGCCCTCAGAGCAGA
 GGAGCCAGCTGTGGCACCAAGTGGCCTCATCTCCGAGAAGACTTGGACTGGCCTCCAGG
 CAGCCACAAGAGCCTCTGTGCCTGGTGGCACTGGGCGGGACAGCAATGGCAGCAGCTC
 CCCCCTGCGGGTGGTGGGGCTTAAGCGCCTATGAGCAGGCTTCTGGGGCCGTGCA
 GAGGGCCCGTGGGGCCCCGAGACCTGGCCACCTTCGGGGTCTGCAACACCGGTGACAG
 GCAGGCTGCCTTGCCTCTACGGCGGCTGGGGCCTGGCTGCGGGACCCTGGGGGCA
 GCGCCTGGTGGTCTACACCTGGAGGAAGTGACCTGNGAGCCAACACCCTCGCTGAGGTT
 CCAGGAGCCCCCGCTGGAGGAGCTGGCCCCCAGAGCTGGCGCTGCTGGTGTGTACCC
 TGGGCTGGCCCTGAGGTCACTGTGACGAGGGCTGGGCTGCCAGGTGCCAGAGCCTCTG
 CCCCTCCCGAGACACCCGCTACCTGGTGTAGCGGTGGACCGCCTTGGCGGGGCTGGC
 GCGGCTCCGGGCTGGCCTTGACCCTGCAGCCCCGCGGAGAGGACTCCCGGCTGAGTACCG
 CCCGGTGCAGGCACTGCTGTTCCGCGACGACCACCGCTGCTTCCACGGATGACCCCGC
 CCTGCTCTGCTGCCGNG

Restriction Sites: NotI-NotI

ACCN:	NM_000479
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_000479.2 , NP_000470.1
RefSeq Size:	2008 bp
RefSeq ORF:	1683 bp
Locus ID:	268
UniProt ID:	P03971
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

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. Mutations in this gene result in persistent Mullerian duct syndrome. [provided by RefSeq, Jul 2016]