

Product datasheet for RC208397L3

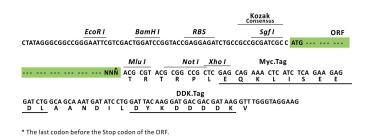
AMH (NM_000479) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	AMH (NM_000479) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	АМН
Synonyms:	MIF; MIS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208397).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Miu I GCG ATC GC ATG// NNÑ ACG CGT



ACCN: ORF Size: NM_000479 1680 bp



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	(NM_000479) Human Tagged Lenti ORF Clone – RC208397L3
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 <u>custsupport@origene.com</u> 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. <u>More info</u>
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	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 000479.2</u>
RefSeq Size:	2008 bp
RefSeq ORF:	1683 bp
Locus ID:	268
UniProt ID:	<u>P03971</u>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

MW:

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59.17 kDa

GRIGENE AMH (NM_000479) Human Tagged Lenti ORF Clone – RC208397L3

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]

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