

## Product datasheet for **TP308397L**

### AMH (NM\_000479) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human anti-Mullerian hormone (AMH), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC208397 representing NM\_000479  
**Red**=Cloning site **Green**=Tags(s)

MRDLPLTSLALVLSALGALLGTEALRAEEPAVGTSGLI FREDLDWPPGSPQEPLCLVALGGDSNGSSSPL  
RVGALSAYEQAFLGAVQRRARWGPRDLATFGVCNTGDRQAALPSLRRLGAWLRDPGGQRLVHLHEEVTW  
EPTSLRFQEPGGAGPPELALLVLYPGPGPEVTVTRAGLPGAQSLCPSRDTRYLVLAVDRPAGAWRGS  
GLALTLPQREGDSRLSTARLQALLFGDDHRCFTRMTPALLLLPRSEAPLPAHGQLDTPFPFPPRPSAEL  
EESPPSADPFLETLTRLVLRALRVPPARASAPRLALDPDALAGFPQGLVNLSDPAALERLLDGEPELLLLL  
RPTAATTGDPAPLHDPTSAPWATALARRVAAELQAAAAELRSLPGLPPATAPLLARLLALCPGGPGGLGD  
PLRALLLLKALQGLRVEWRGRDPRGPGRAQRSAGATAADGPCALRELSVDLRAERSVLIPETYQANNCQG  
VCGWPQSDRNPRYGNHVLLLLKMQARGAALARPPCCVPTAYAGKLLISLSEERISAHHVPMNVATECGCR

**TR**TRPLE**QKLISEEDLAANDILDYKDDDDK**V

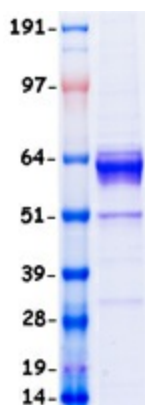
**Tag:** C-Myc/DDK  
**Predicted MW:** 56.6 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Bioactivity:** In vivo treatment (PMID: [29760445](#))  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000470</a>
<b>Locus ID:</b>	268
<b>UniProt ID:</b>	<a href="#">P03971</a>
<b>RefSeq Size:</b>	2008
<b>Cytogenetics:</b>	19p13.3
<b>RefSeq ORF:</b>	1680
<b>Synonyms:</b>	MIF; MIS
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

### Product images:



Coomassie blue staining of purified AMH protein (Cat# [TP308397]). The protein was produced from HEK293T cells transfected with AMH cDNA clone (Cat# [RC208397]) using MegaTran 2.0 (Cat# [TT210002]).