

## Product datasheet for **TP308397M**

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

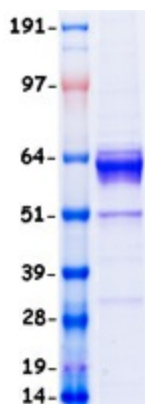
#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human anti-Mullerian hormone (AMH), 100 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC208397 representing NM_000479<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)<br><br>MRDLPLTSLALVLSALGALLGTEALRAEPAVGTSGLIFREDLDWPPGSPQEPLCLVALGGDSNGSSSPL<br>RVVGALSAYEQAF LGAVQRRARWGPRDLATFGVCNTGDRQAALPSLRRLGAWLRDPGGQRLVVLHLEEV<br>TW<br>EPTPSLRFQEP PPPGAGPPELALLVLYPGPGPEVTVTRAGLPGAQSLCPSRDTRYLVLA VDRPAGAWRGS<br>GLALT LQPRGEDSRLSTARLQALLFGDDHRCFTRMTPALLLLPRSEPA LPAHGQLDTPFP PPRPSAEL<br>EESPPSADPFLET LTRLVRALRVPPARASAPRLALDPDALAGFPQGLVNLSDPAALERLLDGE EPLLLLL<br>RPTAATTGDPAPLHDPTSAPWATALARRVAAELQAAAAELRSLPGLPPATAPLLARLLALCPGGPGGLGD<br>PLRALLLLKALQGLRVEWRGRDPRGPGRAQRSAGATAADGPCALRELSVDLRAERSVLIPETYQANNCQG<br>VCGWPQSDRNPRYGNHVVLLKMQARGAALARPPCCVPTAYAGKLLISLSEERISAHHPNMVATECGC<br>R<br><br><span style="color: red;">R</span> TRPLE <span style="color: green;">QKLISEEDLA</span> AND <span style="color: green;">ILDYKDDDDK</span> 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: <a href="#">29760445</a> )  |
| 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.   |


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| <b>Storage:</b>          | Store at -80°C.  |
| <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>           | <u>NP_000470</u>   |
| <b>Locus ID:</b>         | 268  |
| <b>UniProt ID:</b>       | <u>P03971</u>  |
| <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]).