

Recombinant Human AMH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AMH-1154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AMH MS Standard C13 and N15-labeled recombinant protein (NP_000470) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-560 aa
Description	<p>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.</p>
Molecular Mass	59.17 kDa
AA Sequence	MRDLPLTSLALVLSALGALLGTEALRAEPAVGTSGLI FREDLDWPPGSPQEPLCLV

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ALGGDSNGSSSPLRVVGALSAYEQAF LGAVQRRARWGPRDLATFGVCNTGDRQAAL
 PSLRRLGAWLRDPGGQRLVVLHLEEVTWEPTPSLRFQEPPPGGAGPPELALLVLYP
 GPGPEVTVTRAGLPGAQSLCPSRDTRYLVLAVDRPAGAWRGSGLALTLQPRGEDS
 RLSTARLQALLFGDDHRCFTRMTPALLLLPRSEPAPLPAHGQLDTPFPFPPRPSAEL
 EESPPSADPFLETLTRLVRALRVPPARASAPRLALDPDALAGFPQGLVNLSDPAALE
 RLLDGEEPLLLLLRPTAATTGDPAPLHDPTSAPWATALARRVAAELQAAAAELRSLP
 GLPPATAPLLARLLALCPGGPGGLGDPLRALLLLKALQGLRVEWRGRDPRGPGRAQ
 RSAGATAADGPCALRELSVDLRAERSVLIPETYQANNCQGVCGWPQSDRNPRYGN
 HVVLLKMQARGAALARPPCCVPTAYAGKLLISLSEERISAHVPMVMVATECGCRTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [AMH anti-Mullerian hormone \[Homo sapiens \(human\) \]](#)

Official Symbol [AMH](#)

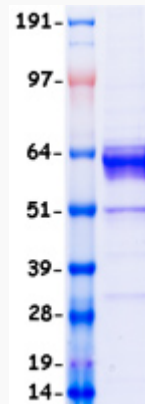
Synonyms AMH; anti-Mullerian hormone; muellerian-inhibiting factor; MIS; anti-Muellerian hormone; Mullerian inhibiting factor; Mullerian inhibiting substance; muellerian-inhibiting substance; MIF;

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Gene ID	268
mRNA Refseq	NM_000479
Protein Refseq	NP_000470
MIM	600957
UniProt ID	P03971

SDS-PAGE

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