

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	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.
Molecular Mass	59.17 kDa
AA Sequence	MRDLPLTSLALVLSALGALLGTEALRAEPAVGTSGLI FREDLDWPPGSPQEPLCLV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ALGGDSNGSSSPLRVVGALSAYEQAF LGAVQRRWGPRDLATFGVCNTGDRQAAL
 PSLRRLGAWLRDPGGQRLVVLHLEEV TWEPTPSLRFQEPPPGGAGPPELALLVLYP
 GPGPEVTVTRAGLPGAQSLCPSRDTRYLVLA VDRPAGAWRGSGLALT LQPRGEDS
 RLSTARLQALLFGDDHRCFTRMTPALLLLPRSEPA LPAHGQLDTPFPFPPRPSAEL
 EESPPSADPFLET LTRLVRALRVPPARASAPRLALDPDALAGFPQGLVNLSDPAALE
 RLLDGEEPLLLLLRPTAATTGDPAPLHDPTSAPWATALARRVAAELQAAAAELRSLP
 GLPPATAPLLARLLALCPGGPGGLGDPLRALLLLKALQGLRVEWRGRDPRGPGRAQ
 RSAGATAADGPCALRELSVDLRAERSVLIPETYQANNCQGVCGWPQSDRNPRYGN
 HVVLLKMQARGAALARPPCCVPTAYAGKLLISLSEERISAHHPNMVATECGCRTR
 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	