

Recombinant Mouse Amh Protein, His-tagged

Cat. No. Amh-135M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Amh Protein (Gln21-Arg555) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln21-Arg555
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. Homozygous knockout male mice develop female reproductive organs and are often sterile, while homozygous knockout female mice exhibit premature depletion of primordial follicles.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 61.5 kDa

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	Accurate Molecular Mass: 62 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Amh anti-Mullerian hormone [<i>Mus musculus</i> (house mouse)]
Official Symbol	Amh
Synonyms	AMH; anti-Mullerian hormone; muellerian-inhibiting factor; anti-Muellerian hormone; Mullerian inhibiting substance; muellerian-inhibiting substance; MIS
Gene ID	11705
mRNA Refseq	NM_007445

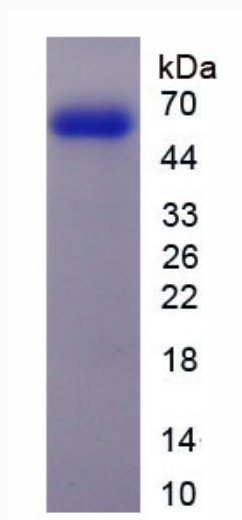
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Protein Refseq NP_031471

UniProt ID P27106



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