

## Recombinant Human AMH, His-tagged

**Cat. No.** AMH-282H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AMH(Ala453~Arg560), fused with N-terminal His-Tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala453~Arg560
<b>Description</b>	Anti-Mullerian hormone is a member of the transforming growth factor-beta gene family which mediates male sexual differentiation. Anti-Mullerian hormone causes the regression of Mullerian ducts which would otherwise differentiate into the uterus and fallopian tubes. Some mutations in the anti-Mullerian hormone result in persistent Mullerian duct syndrome.
<b>Form</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Molecular Mass</b>	13.1 KDa.
<b>AA Sequence</b>	The target protein is fused with N-terminal His-Tag, its sequence is listed below.MGHHHHHSGSEF- AGATAADG PCALRELSVD LRAERSVLIP ETYQANNCQG VCGWPQSDRN PRYGNHVLL LKMQVRGAAL ARPPCCVPTA YAGKLLISLS EERISAHVNP NMVATECGCR
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.

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<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AMH anti-Mullerian hormone [ Homo sapiens ]</a>
<b>Official Symbol</b>	AMH
<b>Synonyms</b>	AMH; anti-Mullerian hormone; muellerian-inhibiting factor; MIS; anti-Muellerian hormone; Mullerian inhibiting factor; Mullerian inhibiting substance; muellerian-inhibiting substance; MIF
<b>Gene ID</b>	<a href="#">268</a>
<b>mRNA Refseq</b>	<a href="#">NM_000479</a>
<b>Protein Refseq</b>	<a href="#">NP_000470</a>
<b>MIM</b>	<a href="#">600957</a>

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<b>UniProt ID</b>	P03971
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	ALK2 signaling events; BMP signaling; Cytokine-cytokine receptor interaction; Hippo signaling pathway; TGF-beta signaling pathway
<b>Function</b>	growth factor activity; hormone activity; receptor binding; transforming growth factor beta receptor binding;

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