

Recombinant Human AMH, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human AMH(Ala453~Arg560), fused with N-terminal His-Tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala453~Arg560
Description	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.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	13.1 KDa.
AA Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below.MGHHHHHHSGSEF- AGATAADG PCALRELSVD LRAERSVLIP ETYQANNCQG VCGWPQSDRN PRYGNHVVLL LKMQVRGAAL ARPPCCVPTA YAGKLLISLS EERISAAHVP NMVATECGCR
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	AMH anti-Mullerian hormone [Homo sapiens]
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
Gene ID	268
mRNA Refseq	NM_000479
Protein Refseq	NP_000470
MIM	600957

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

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