

AMH Recombinant Protein | MIS/AMH recombinant protein

Recombinant Human AMH Protein

CATALOG # AAA59140	HOST Eukaryotic expression (293-F cell)	APPLICATIONS SDS-Page, ELISA
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PRODUCT SYNONYMS

AMH; Recombinant Human AMH Protein; Muellerian-inhibiting substance/Anti-Muellerian hormone; MIS/AMH; Muellerian-inhibiting factor; MIF; Anti-Muellerian hormone; Muellerian-inhibiting substance; MIS; MIS/AMH recombinant protein

PRODUCT SPECIFICATIONS

Host	Eukaryotic expression (293-F cell)
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid; Each vial contains 0.01 M PBS (pH7.4)
Sequence Length	560
Applicable Applications for MIS/AMH recombinant protein	SDS-PAGE, ELISA
Preparation and Storage	Upon receipt, aliquot and store at -20 degree C or -80 degree C for long term. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MIS/AMH recombinant protein	Anti-Mullerian hormone (AMH), also known as Mullerian-inhibiting hormone (MIH), is a glycoprotein hormone structurally related to inhibin and activin from the transforming growth factor beta superfamily, whose key roles are in growth differentiation and folliculogenesis. AMH is a standard marker of ovarian reserve. Correlation between AMH and egg euploidy is controversial. Gat I et al study shows a correlation between AMH and aneuploidy rate, specifically among infertile patients younger than 37 years old. AMH is also a reliable marker of ovarian reserve in endometriosis patients, and it can predict follicular density in women undergoing ovarian tissue cryopreservation. In mammals, AMH prevents the development of the Mullerian ducts into the uterus and other Mullerian structures. The effect is ipsilateral, that is each testis suppresses Mullerian development only on its own side. In humans, this action takes place during the first 8 weeks of gestation. If no hormone is produced from the gonads, the Mullerian ducts automatically develop, while the Wolffian ducts, which are responsible for male reproductive parts, automatically die.
References	1. Rzeszowska, Marzena; Leszcz, Agnieszka; Putowski, Lechosław; Magdalena Hałabińska, Magdalena; Tkaczuk-Wójcik, Joanna; Kotarski, Jan; Polak, Grzegorz (2016). "Anti-Mullerian hormone: structure, properties and appliance". Ginekologia Polska. 87 (9): 669-674. 2. Gat I, AlKudmani B, Wong K, Zohni K, Weizman NF, Librach C, Sharma P. Significant correlation between anti-mullerian hormone and embryo euploidy in a subpopulation of infertile patients. Reprod Biomed Online. 2017 Aug 1. 3. Fertility Preservation in Endometriosis Patients: Anti-Mullerian Hormone Is a Reliable Marker of the Ovarian Follicle Density. Garavaglia E, Sala C, Taccagni G, Traglia M, Barbieri C, Ferrari S, Candiani M, Panina-Bordignon P, Toniolo D. Front Surg. 2017 Jul 25;4:40.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266298
NCBI GeneID	268
NCBI Accession #	NP_000470.2
NCBI GenBank Nucleotide #	NM_000479.4

UniProt Accession #	P03971 ; O75246 ; Q6GTN3
NCBI Official Full Name	muellerian-inhibiting factor preproprotein
NCBI Official Synonym Full Names	anti-Mullerian hormone
NCBI Official Symbol	AMH
NCBI Official Synonym Symbols	MIF; MIS
NCBI Protein Information	muellerian-inhibiting factor
UniProt Protein Name	Muellerian-inhibiting factor
UniProt Gene Name	AMH
UniProt Synonym Gene Names	MIF; AMH; MIS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/amh-recombinant-protein-sds-page-elisa/59140>