

Active Recombinant Human Anti-Mullerian Hormone

Cat. No. AMH-383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMH protein was expressed in E. coli. Ala453-Arg560.
Species	Human
Source	E.coli
Protein Length	453-560 a.a.
Description	AMH is a tissue-specific TGF- β superfamily growth factor. Its expression is restricted to the Sertoli cells of fetal and postnatal testis, and to the granulosa cells of postnatal ovary. The human MIS gene encodes a 553 amino acid residue(aa) prepropeptide containing a signal sequence (1-24), a proregion (25-455), and the carboxyl terminal bioactive protein (44-6553). MIS is synthesized and secreted as a disulfide-linked homodimeric pro-protein. Proteolytic cleavage is required to generate the N-terminal pro-region and the C-terminal bioactive protein, which remain associated in a noncovalent complex.
Form	Lyophilized from a 0.2 μ m filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
N-terminal Sequence	Ala453
Molecular Weight	11.7 kDa (monomer)
Activity	Measured by its ability to inhibit growth of OVCAR-3 human ovarian carcinoma cells.

 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

	Measured by its binding ability in a functional ELISA. Immobilized rhMIS at 3 µg/ML (100 µL/well) will bind rrMIS RII/Fc Chimera with a linear range of 1.6-100 ng/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	AMH anti-Mullerian hormone [Homosapiens]
Official Symbol	AMH
Synonyms	AMH; anti-Mullerian hormone; MIF; MIS; muellerian-inhibiting factor; Mullerian inhibiting factor; Mullerian inhibiting substance; muellerian-inhibiting substance
Gene ID	268
mRNA Refseq	NM_000479
Protein Refseq	NP_000470
MIM	600957

 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

UniProt ID	P03971
Chromosome Location	19p13.3
Pathway	Cytokine-cytokine receptor interaction; ALK2signaling events; TGF-beta signaling pathway
Function	growth factor activity; hormone activity; receptorbinding; transforming growth factor beta receptor binding

 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