

Recombinant Rat MIS/AMH

#R00624

Size: 5 µg/100 µg/500 µg

Stability & Storage

Please use a manual defrost freezer and avoid repeated freeze-thaw cycles.

-Lyophilized protein should be stored at ≤ -20°C, stable for 12 months after receipt.

-Reconstituted protein solution can be stored at 2-8°C for 1-2 weeks.

-Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

Anti-Müllerian Hormone (AMH) is a key regulator in mammalian reproductive development. The AMH level serves as a biomarker for ovarian reserve in females, and is crucial for the study of reproductive physiology and in vitro fertilization (IVF) related mechanisms. AMH is also widely applied in research of polycystic ovary syndrome (PCOS). In males, serum AMH is used to evaluate Sertoli cell function and testicular development. AMH is expressed as an inactive proprotein precursor (proAMH), which can be cleaved into two regions: N-terminal AMH (AMHn) and C-terminal AMH (AMHc).

AA Sequence

Ser446-A553, Accession #P49000

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Reconstitute in sterile 4 mM HCl to a concentration of 0.1-1.0 mg/mL. Please aliquot the

reconstituted solution to minimize freeze-thaw cycles.

Product Specification

Species	Rat
Source	CHO Cells
Molecular Weight	Recombinant Rat MIS/AMH Protein, a disulfide-linked homodimer, each subunit containing 108 amino acid residues, has a predicted molecular mass of approximately 23.3 kDa.
Purity	> 98% by SDS-PAGE gel and HPLC analyses.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Rat MIS/AMH at 3 µg/mL (100 µL/well) will bind Recombinant Rat MIS RII Fc Chimera with a linear range of 1.6-100 ng/mL.

Formulation	Lyophilized from a 0.22 µm filtered solution of in Acetonitrile and TFA. See CoA for details.
Endotoxin	Less than 0.1 EU/µg of rRtMIS/AMH as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.