

AMHR2/MISRII Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78693
Synonyms:	MIS RII; MRII; AMHR2; AMHR; MISR2; AMH type II receptor
Species:	Mouse
Source:	HEK293
Accession:	Q8K592 (Q16-M147)
Gene ID:	110542
Molecular Weight:	approximately 25 kDa & 30 kDa

PROPERTIES

AA Sequence	<p>Q V S P N R R T C V F F E A P G V R G S T K T L G E M V D A G P G P P K G I R C</p> <p>L Y S H C C F G I W N L T H G R A Q V E M Q G C R D S D E P G C E S L H C D P V</p> <p>P R A H P N P S S T L F T C S C G T D F C N A N Y S H L P P S G N Q G A P G P Q</p> <p>E P Q A T P G G P V W M</p>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human rhMIS at 3 µg/mL (100µL/well) can bind Biotinylated Mouse AMHR2. The ED ₅₀ for this effect is 240.7 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Upon binding its ligand, AMHR2/MISRII Protein orchestrates the assembly of a receptor complex comprising two type II and two type I transmembrane serine/threonine kinases. The type II receptors initiate the signaling cascade by phosphorylating and activating the type I receptors, which, in turn, undergo autophosphorylation. Subsequently, these activated type I receptors engage with and activate SMAD transcriptional regulators, culminating in the modulation of downstream gene expression. Notably, AMHR2/MISRII serves as the receptor for anti-Muellerian hormone, playing a pivotal role in mediating</p>
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the cellular responses triggered by this hormone.

Caution: Product has not been fully validated for medical applications. For research use only.

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