

# Human AMHRII Protein

Cat. No. AMH-HM2R2

## Description

<b>Source</b>	Recombinant Human AMHRII Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro18-Ser144.
<b>Accession</b>	Q16671-1
<b>Molecular Weight</b>	The protein has a predicted MW of 40.2 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The aim of the current study was to explore whether anti-Müllerian hormone receptor II (AMHRII) genetic variants influence the hormonal profile and the ovarian response to standard gonadotropin stimulation of women undergoing medically assisted reproduction. Three hundred in vitro fertilization or intracytoplasmic sperm injection patients constituted the study population, while 300 women with at least one spontaneous pregnancy participated as controls.

## Assay Data

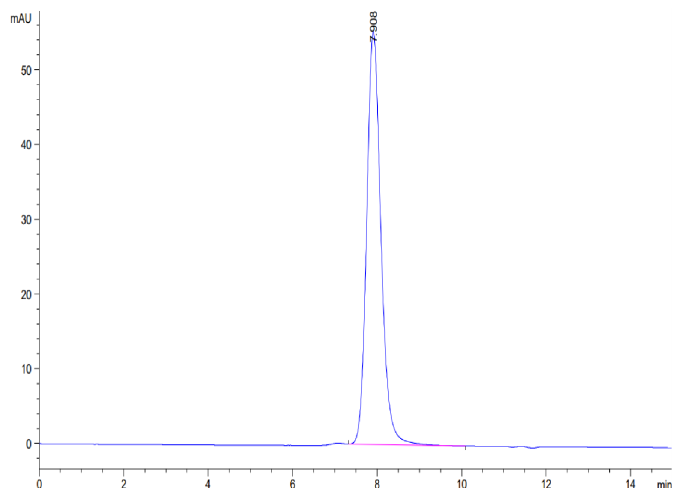
### Bis-Tris PAGE



Human AMHRII on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

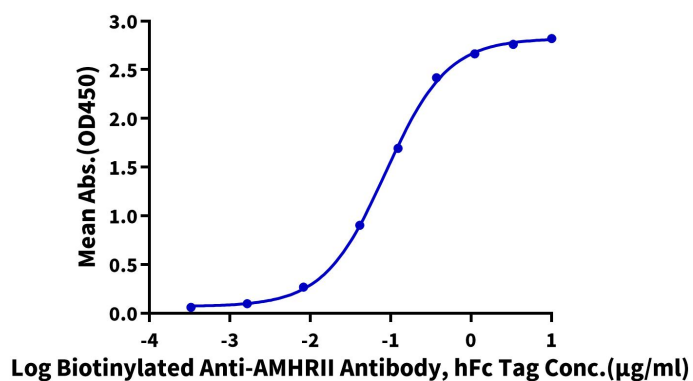


The purity of Human AMHR II is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human AMHR II, hFc Tag ELISA**

0.05µg Human AMHR II, hFc Tag Per Well



Immobilized Human AMHR II, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-AMHR II Antibody, hFc Tag with the EC50 of 86.4ng/ml determined by ELISA.