

Human AMHRII Protein

Cat. No. AMH-HM2R2

Description

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

Formulation and Storage

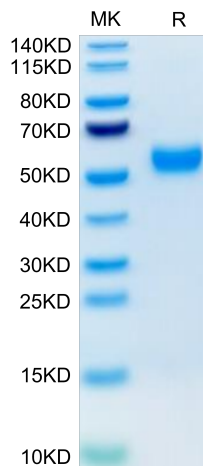
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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

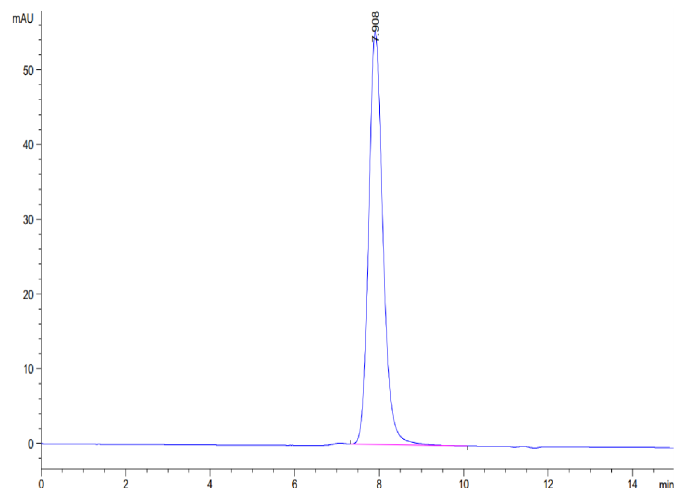
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

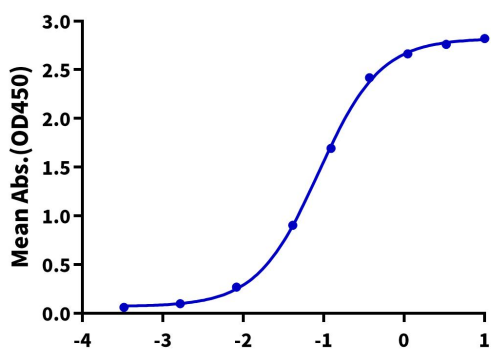


The purity of Human AMHR2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human AMHR2, hFc Tag ELISA

0.05µg Human AMHR2, hFc Tag Per Well



Immobilized Human AMHR2, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-AMHR2 Antibody, hFc Tag with the EC50 of 86.4ng/ml determined by ELISA.