

Bioactive

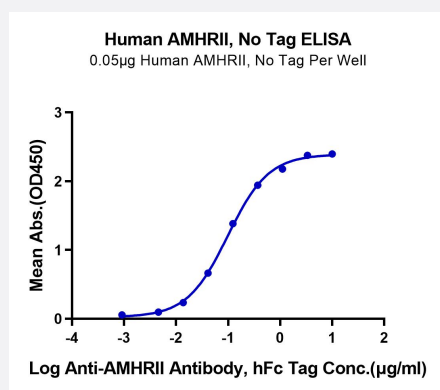
HuPro®

AMHR2 (Human) Recombinant Protein

Catalog # P9877

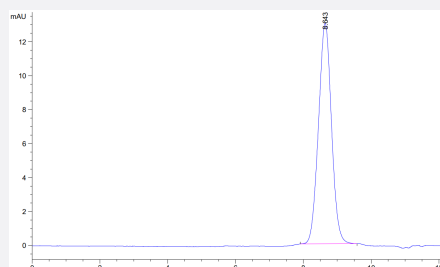
Size 100 ug

Applications



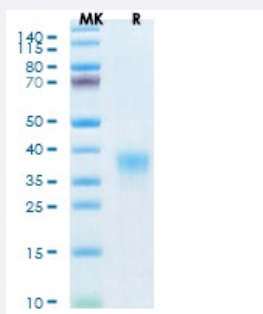
Enzyme-linked Immunoabsorbent Assay

Immobilized Human AMHR2 at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-AMHR2 Antibody, hFc Tag with the EC50 of 98.9 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

Human AMHR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human AMHR2 (Q16671-2, Pro18-Ser144) partial recombinant protein expressed in HEK293 cells.
Sequence	Pro18-Ser144
Host	Human
Theoretical MW (kDa)	14.3
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 98.9 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human AMHRII is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human AMHRII on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human AMHRII at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-AMHRII Antibody, hFc Tag with the EC₅₀ of 98.9 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — AMHR2

Entrez GeneID [269](#)

Protein Accession# [Q16671-1](#)

Gene Name AMHR2

Gene Alias AMHR, MISR2, MISRII

Gene Description anti-Mullerian hormone receptor, type II

Omim ID [261550 600956](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the receptor for the anti-Mullerian hormone (AMH) which, in addition to testosterone, results in male sex differentiation. AMH and testosterone are produced in the testes by different cells and have different effects. Testosterone promotes the development of male genitalia while the binding of AMH to the encoded receptor prevents the development of the mullerian ducts into uterus and Fallopian tubes. Mutations in this gene are associated with persistent Mullerian duct syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations Mullerian inhibiting substance type II receptor

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)

- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)