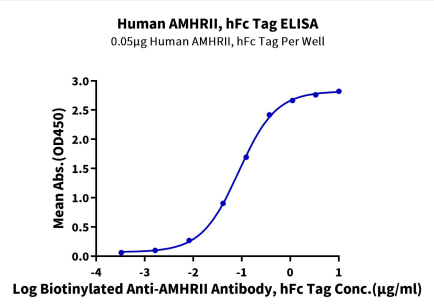
Bioactive HuPro®

AMHR2 (Human) Recombinant Protein

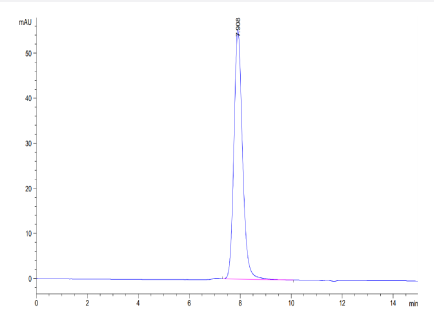
Catalog # P9900 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

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



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%.

Specification

Product Description	Human AMHR2 (Q16671-1, Pro18-Ser144) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.

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Sequence	Pro18-Ser144
Host	Human
Theoretical MW (kDa)	40.2
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 86.4 ng/mL, messured 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

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human AMHRII, hFc Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-AMHRII Antibody, hFc Tag with the EC50 of 86.4 ng/mL determined by ELISA.
- SDS-PAGE

Gene Info — AMHR2

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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

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- Puberty
- Thrombophilia
- Tobacco Use Disorder

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