

HUMAN AMHR2 PROTEIN, HFC TAG

Cat.#: 11349

Product Name: Human AMHR2 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: AMHR;MISR2;MISRII;MRII

Target: AMHR2

UNIPROT ID: Q16671

Description: Recombinant Human AMHR2 Protein with C-terminal human Fc tag

Background: 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.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 40.3 kDa after removal of the signal peptide. The apparent molecular mass of AMHR2-hFc is approximately 55 kDa due to glycosylation.

Molecular Characterization: AMHR2 (Pro18-Leu149) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

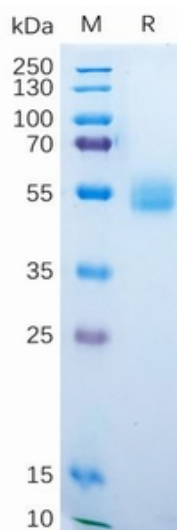


Figure 1. Human AMHR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human AMHR2, hFc Tagged protein ELISA

0.2 µg of Human AMHR2, hFc tagged protein per well

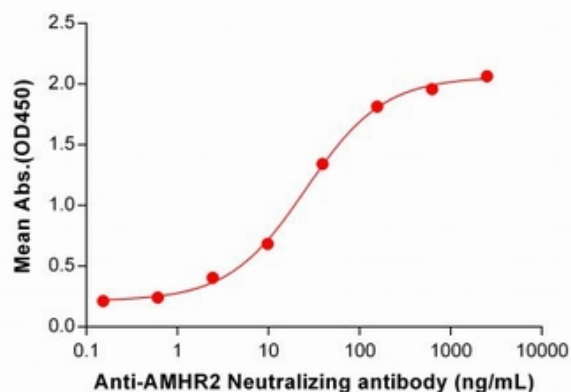


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human AMHR2 Protein, hFc Tag (11349) can bind A