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Datasheet for ABIN6964191 GNRHR Protein (Fc Tag)

Overview

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|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | GNRHR |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GNRHR protein is labelled with Fc Tag. |

Product Details

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|------------------|---|
| Purpose: | Recombinant Human GNRHR Protein with C-terminal human Fc tag |
| Specificity: | GNRHR (Met1-Arg38) hFc (Glu99-Ala330) |
| Characteristics: | Extracellular Domain Protein |
| Purification: | affinity purification |
| Purity: | The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining. |

Target Details

| | |
|-------------------|---|
| Target: | GNRHR |
| Alternative Name: | GNRHR (GNRHR Products) |
| Background: | Synonymes: GNRHR1, GRHR, HH7, LHRHR, LRHR Description: This gene encodes the receptor for type 1 gonadotropin-releasing hormone. This receptor is a member of the seven-transmembrane, G-protein coupled receptor (GPCR) family. |

Target Details

It is expressed on the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. Following binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ultimately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormone (FSH). Defects in this gene are a cause of hypogonadotropic hypogonadism (HH). Alternative splicing results in multiple transcript variants encoding different isoforms. More than 18 transcription initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified for this gene.

Molecular Weight: predicted molecular mass of 30.2 kDa after removal of the signal peptide. The apparent molecular mass of GNRHR-hFc is 35-55 kDa due to glycosylation.

UniProt: [P30968](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Preservative: Without preservative

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months