

PRODUCT INFORMATION

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-commerce-print-products-public.php on line 2806 Tag

GNRHR1; GRHR; HH7; LHRHR; LRHR

Human GNRHR-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P30968 HEK293 **Expression Host**

Protein Families Druggable Genome, GPCR, Transmembrane

GnRH signaling pathway, Neuroactive ligand-receptor interaction Protein Pathways Molecular Weigh

Formulation &

GnRH signaling pathway, Neuroactive ligand-receptor interaction
The human full length GNRHR-Strep protein has a MW of 37.7 kDa
Lyophilized from nanodis solubilization buffer (20 mM Tris-HCL, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

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 freeign and thawing). Lyophilized proteins are shipped at ambient temperature.

The receptor for type 1 gonadotropin-releasing hormone. This receptor is a member of the seven-transmembrane, 6-protein coupled receptor (GPCR) family, It is expressed on the surface of pitutiary 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.

Unconjugated Conjugate

ELISA assay to evaluate GNRHR-Strep-Nanodisc 0.2µg Human GNRHR-Strep-Nanodisc per well

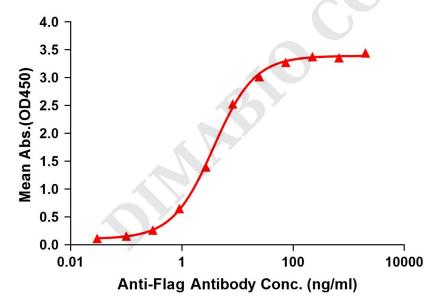


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag GNRHR-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GNRHR-Strep-nanodisc is 3.721ng/ml.

Email: info@dimabio.com Website: www.dimabio.com







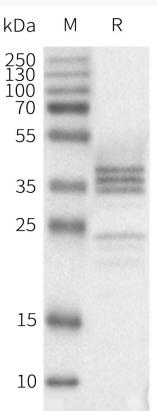


Figure 2. WB analysis of Human GNRHR-Strep-Nanodisc with Strep-Tactin HRP at 1/4000 dilution



