

PRODUCT INFORMATION

Warning: Undefined variable ShasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806 C-Flag Tag Tag

Human TSHR full length protein-synthetic nanodisc

Delivery Uniprot ID P16473 Expression Host HEK293

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways Autoimmune thyroid disease, Neuroactive ligand-receptor interaction Molecular Weigh The human full length TSHR protein has a MW of 86.8 kDa

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. Please see Certificate of Analysis for specific instructions of reconstitution. Formulation & Reconstitution

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.

The protein is a membrane protein and a major controlled of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Storage & Shipping

Background Research use only

Conjugate Unconjugated

ELISA assay to evaluate TSHR-Nanodisc 0.2µg Human TSHR-Nanodisc per well

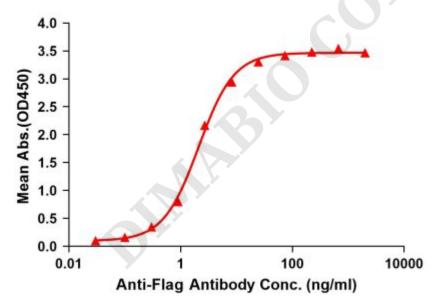


Figure 1. Elisa plates were pre-coated with Flag Tag TSHR-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TSHR-Nanodisc is 2.108ng/ml.

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





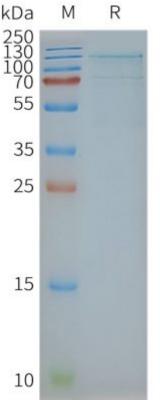


Figure 2. Human TSHR-Nanodisc, Flag Tag on SDS-PAGE



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