

PRODUCT INFORMATION

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

Human TSHR-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID P16473 HEK293 **Expression Host**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways Autoimmune thyroid disease, Neuroactive ligand-receptor interaction Molecular Weigh The human full length TSHR-Strep 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-Strep-Nanodisc 0.2µg Human TSHR-Strep-Nanodisc per well

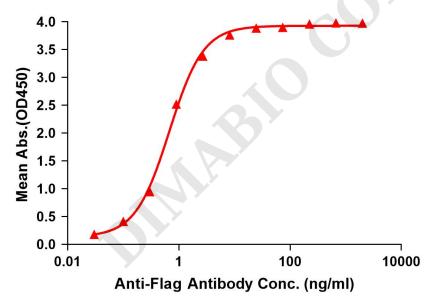


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag TSHR-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TSHR-Strep-nanodisc is 0.676ng/ml.

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







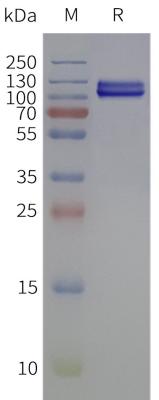


Figure 2. Human TSHR-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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

