

HUMAN TSHR FULL LENGTH PROTEIN

目录: 11026

产品名称: Human TSHR Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: CHNG1; hTSHR-I; LGR3

Target: TSHR

UNIPROT ID: P16473

描述: Human TSHR full length protein-synthetic nanodisc

背景: The protein is a membrane protein and a major controller 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.

Species/Host: HEK293

Molecular Weight: The human full length TSHR protein has a MW of 86.8 kDa

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.

储存和运输: 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.

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

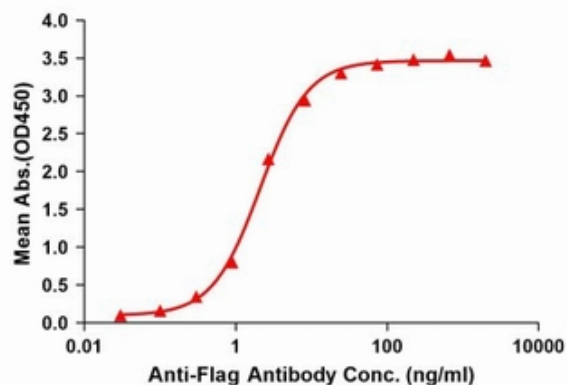


Figure1. Elisa plates were pre-coated with Flag Tag TSHR-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with TSHR-Nanodisc is 2.108ng/ml.

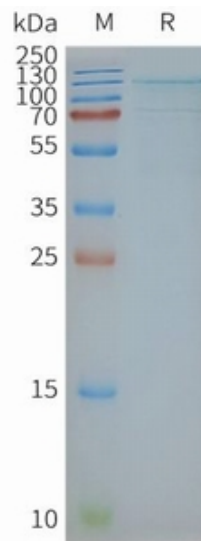


Figure2. Human TSHR-Nanodisc, Flag Tag on SDS-PAGE