

## HUMAN HCRT1R FULL LENGTH PROTEIN

目录: 11080

产品名称: Human HCRT1R Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: ORXR1; OX1R; OX1

Target: HCRT1R

UNIPROT ID: O43613

描述: Human HCRT1R Full Length Protein-Synthetic Nanodisc

背景: The protein is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRT2) encodes a G-protein coupled receptor that binds orexin A and orexin B.

Species/Host: HEK293

Molecular Weight: The human full length HCRT1R protein has a MW of 47.5 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.

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

### ELISA assay to evaluate HCRT1R-Nanodisc 0.2µg Human HCRT1R-Nanodisc per well

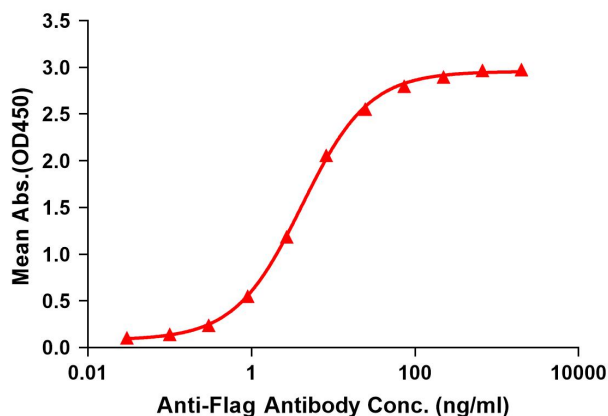


Figure 1. Elisa plates were pre-coated with Flag Tag HCRT1R-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with HCRT1R-Nanodisc is 4.139ng/ml.

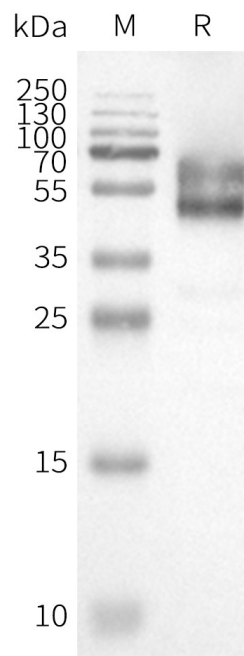


Figure 2. WB analysis of Human HCRT1R-Nanodisc with Flag monoclonal antibody at 1/5000 dilution, followed by Goat Rabbit IgG HRP at 1/5000 dilution