

## HUMAN MC4R FULL LENGTH PROTEIN

目录: 11103

产品名称: Human MC4R Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: BMIQ20

Target: MC4R

UNIPROT ID: P32245

描述: Human MC4R Full Length Protein-Synthetic Nanodisc

背景: The protein is a membrane-bound receptor and member of the melanocortin receptor family. The encoded protein interacts with adrenocorticotrophic and MSH hormones and is mediated by G proteins. This is an intronless gene. Defects in this gene are a cause of autosomal dominant obesity.

Species/Host: HEK293

Molecular Weight: The human full length MC4R protein has a MW of 36.9 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, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

### ELISA assay to evaluate MC4R-Nanodisc 0.2µg Human MC4R-Nanodisc per well

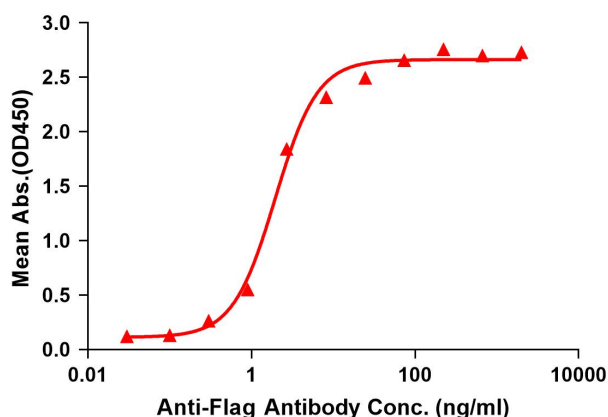


Figure 1. Elisa plates were pre-coated with Flag Tag MC4R-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with MC4R-Nanodisc is 1.957ng/ml.



Figure 2. Human MC4R-Nanodisc, Flag Tag on SDS-PAGE