

PRODUCT INFORMATION

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BMIQ20

Human MC4R full length protein-synthetic nanodisc In Stock

Delivery Uniprot ID P32245 Expression Host HEK293

Protein Families Druggable Genome, GPCR, Transmembrane Protein Pathways Neuroactive ligand-receptor interaction

Molecular Weigh The human full length MC4R protein has a MW of 36.9 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 Score at 20°C to 30°C for 12 months in lyophilized form. After constitution, if not intended for use within a month, aliquot and store at -80°C (Avoid Score at 20°C to 30°C for 12 months in lyophilized form. After constitution, if not intended for use within a month, aliquot and store at -80°C (Avoid The protein is a membrane-bound receptor and member of the melanocortic receptor family. The encoded protein interacts with adrenocorticoropic and MSH hormones and is mediated by G proteins. This is an intronless gene. Defects in this gene are a cause of successful administration to besity. Storage & Shipping

Background Research use only Conjugate Unconjugated

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

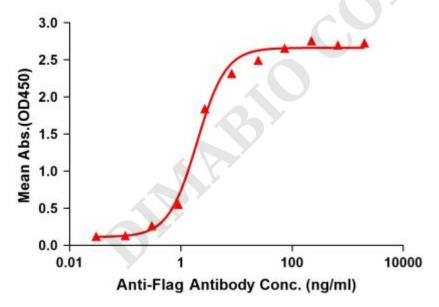


Figure 1. Elisa plates were pre-coated with Flag Tag MC4R-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with MC4R-Nanodisc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

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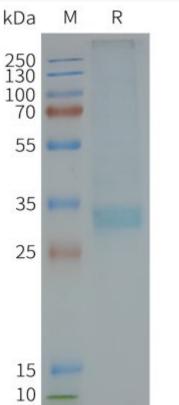


Figure 2. Human MC4R-Nanodisc, Flag Tag on SDS-PAGE



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