

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **HUMAN MC4R FULL LENGTH PROTEIN**

Cat.#: 11103

Product Name: Human MC4R Full Length Protein

Size:  $10 \mu g$ ;  $50 \mu g$  and  $100 \mu g$ 

Synonyms: BMIQ20 Target: MC4R UNIPROT ID: P32245

Description: Human MC4R Full Length Protein-Synthetic Nanodisc

Background: The protein is a membrane-bound receptor and member of the melanocortin receptor family. The encoded protein interacts with adrenocorticotropic 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

Storage & Shipping: 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 recorded forwards and thereign and thereign are chipped at ambient temperature.

repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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

