

Product Information

NativeExtract™ Human MC3R Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX168**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human MC3R protein in native nanodisc form. The synthetic compound we developed can solubilize the MC3R protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

MC3R

Protein Length

Full length

Molecular Weight

36kDa

Sequence

Accession # [P41968](#)

Product Description

Activity

Yes

Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems

HEK293 expression system

Tag

Flag tag at the C-terminus

Protein Format

Native Nanodisc

Form

Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target**Target Protein**

MC3R

Full Name

Melanocortin 3 receptor

Introduction

This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for this gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans.

Alternative Names

MC3; OB20; OQTL; BMIQ9; MC3-R; melanocortin receptor 3; obesity quantitative trait locus; MC3R; Melanocortin 3 receptor

Gene ID

[4159](#)

UniProt ID

[P41968](#)