

Product Information

MemDX™ Membrane Protein Human MC3R (Melanocortin 3 receptor) Full Length

Cat. No.: **MPC0290K**

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

This product is a 36 kDa Human MC3R membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MC3R

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

36 kDa

TMD

7

Sequence

MNASCCLPSVQPTLPNGSEHLQAPFFSNQSSSAFCEQVFIKPEVFLSLGI
VSLLENILVILAVVRNGLHSPMYFFLCSLAVADMLSVSNALETIMIAI
VHSDYLT FEDQFIQHMDNIFDSMICISLVASICNLLAIAVD RYVTIFYAL
RYHSIMTVRKALTLIVAIWVCCGVCVV FIVYSESKMVIVCLITMFFAMM
LLMGTL YVHMFLFARLHV KRIAALPPADGVAPQQHSCMKGAVTITILLGV
FIFCWAPFFLHLVLIITCPTNPYCICYTAHFNTYLVLMCNSVIDPLIYA
FRSLELRNTFREILCGCNGMNLG

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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](#)