

Product Information

MemDX™ Membrane Protein Human MC3R (Melanocortin 3 receptor) with GST-tag for

Antibody Discovery

Cat. No.: **MP0686X**

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

This product is a 66.5 kDa Human MC3R membrane protein expressed in *in vitro* wheat germ 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

Molecular Weight

66.5 kDa

TMD

7

Sequence

MSIQKTYLEGDFVFPVSSSSFLRTLLEPQLGSALLTAMNASCCLPVQPTLPNGSEHLQAPFFSNQSSSAFCEQVFIKPEVFLSLGIV

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -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

Gene ID

[4159](#)

UniProt ID

[P41968](#)