

## Product Information

### MemDX™ Membrane Protein Human MC2R (Melanocortin 2 receptor) with GST-tag for Antibody Discovery

Cat. No.: **MP0684X**

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

This product is a 60.3 kDa Human MC2R 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

MC2R

##### Protein Length

Full-length

##### Molecular Weight

60.3 kDa

##### TMD

7

##### Sequence

MKHIINSYENINNTARNNSDCPRVVLPEEIFFTISIVGVLENLIVLLAVFKKNKNLQAPMYFFICSLAISDMLGSLYKILENILIIILRNMGYLK

#### 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

MC2R

### Full Name

Melanocortin 2 receptor

### Introduction

MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotropic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotropic hormone, whereas the other four melanocortin receptors recognize a variety of melanocortin ligands. Mutations in MC2R can result in familial glucocorticoid deficiency. Alternate transcript variants have been found for this gene

### Alternative Names

ACTHR

### Gene ID

[4158](#)

### UniProt ID

[Q01718](#)