

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

MKHIINSYENINNTARNNSDCPRVVLPEEIFFTISIVGVLENLIVLLAVFKNKNLQAPMYFFICSLAISDMLGSLYKILENIIILRNMGYLN

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 adrenocorticotrophic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotrophic 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](#)