

Product Information

MemDX™ Membrane Protein Human MC4R (Melanocortin 4 receptor) Full Length

Cat. No.: **MPC0291K**

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

This product is a 36.9 kDa Human MC4R 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

MC4R

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

36.9 kDa

TMD

7

Sequence

MVNSTHRGMHTSLHLWNRSSYRLHSNASESLGKGYSDDGGCYEQLFVSPEV
FVTLGVISLLENILVIVAIKKNLHSPMYFFICSLAVADMLVSVSNGSE
TIVITLLNSTDTDAQSFTVNIDNVIDSVICSSLLASICSLLSIAVDRYFT
IFYALQYHNIMTVKRVGIIISCIWAACTVSGILFIIYSDSSAVIICLITM
FFTMLALMASLYVHMFLMARLHIKRIAVLPGTGAIRQGANKMGAITLTIL
IGVFVVCWAPFFLHLIFYISCPQNPYCVCFMSHFNLYLILMCNSIIDPL
IYALRSQELRKTFKEIICCYPLGGLCDLSSRY

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**

MC4R

Full Name

Melanocortin 4 receptor

Introduction

The protein encoded by this gene is a membrane-bound receptor and member of the melanocortin receptor family. The encoded protein interacts with adrenocorticotrophic and MSH hormones and is mediated by G proteins. This is an intronless gene. Defects in this gene are a cause of autosomal dominant obesity.

Alternative Names

BMIQ20; melanocortin receptor 4; MC4-R; MC4R; Melanocortin 4 receptor

Gene ID

[4160](#)

UniProt ID

[P32245](#)