

# Product Information

## MemDX™ Membrane Protein Human MC4R (Melanocortin 4 receptor) for Antibody

### Discovery

Cat. No.: **MP0851J**

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

This product is a 36.8 kDa Human MC4R membrane protein expressed in HEK293T. 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

Druggable Genome, GPCR, Transmembrane

#### Molecular Weight

36.8 kDa

#### TMD

7

#### Sequence

MVNSTHRGMHTSLHLWNRSSYRLHSNASESLGKGYSDGGCYEQLFVSPEVFVTLGVISLLENILVIVAIA  
KNKNLHSPMYFFICSLAVADMLVSVSNGSETIVITLLNSTDTDAQSFTVNIDNVIDSVICSSLLASICSL  
LSIAVDRYFTIFYALQYHNIMTVKRVGIIISCIWAACTVSGILFIIYSDSSAVIICLITMFFTMLALMAS  
LYVHMFLLMARLHIKRIAVLPGTGAIKQGANMKGAITLTILIGVFVVCWAPFFLHLIFYISCPQNPYCVCF  
MSHFNLYLILIMCNSIIDPLIYALRSQELRKTFKEIICCYPLGGLCDLSSRY

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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

**Gene ID**

[4160](#)

**UniProt ID**

[P32245](#)