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Datasheet for ABIN7538385

## MC4R Protein (AA 1-43) (Fc Tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	MC4R
Protein Characteristics:	AA 1-43
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MC4R protein is labelled with Fc Tag.

#### Product Details

Purpose:	Recombinant human MC4R Protein with C-terminal human Fc tag
Specificity:	MC4R (Met1-Gln43) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	MC4R
Alternative Name:	MC4R ( <a href="#">MC4R Products</a> )
Background:	The protein encoded by this gene is a membrane-bound receptor and member of the

## Target Details

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. [provided by RefSeq, Jan 2010]

**Molecular Weight:** predicted molecular mass of 31.0 kDa after removal of the signal peptide. The apparent molecular mass of MC4R-hFc is 35-55 kDa due to glycosylation.

**UniProt:** [P32245](#)

**Pathways:** [Hormone Transport](#), [cAMP Metabolic Process](#), [Feeding Behaviour](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months

## Images



### SDS-PAGE

**Image 1.** Human MC4R Protein, hFc Tag on SDS-PAGE under reducing condition.