

Recombinant Human MC4R

Cat. No. MC4R-29453TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1-43 of Human MC4 Receptor with a proprietary tag; Predicted MWt 30.36 kDa including tag.
Species	Human
Source	Wheat Germ
ProteinLength	43 amino acids
Description	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.
Molecular Weight	30.360kDa inclusive of tags
Tissue specificity	Brain, placental, and gut tissues.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MVNSTHRGMHTSLHLWNRSSYRLHSNASESLGKGYSDDGGCYEQ

Sequence Similarities

Belongs to the G-protein coupled receptor 1 family.

GENE INFORMATION

Gene Name

MC4R melanocortin 4 receptor [Homo sapiens]

Official Symbol

MC4R

Synonyms

MC4R; melanocortin 4 receptor; melanocortin receptor 4;

Gene ID

4160

mRNA Refseq

NM_005912

Protein Refseq

NP_005903

MIM

155541

Uniprot ID

P32245

Chromosome Location

18q22

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

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GPCRs, Class A Rhodopsin-like, organism-specific biosystem;

Function

G-protein coupled receptor activity; melanocortin receptor activity; melanocyte-stimulating hormone receptor activity; neuropeptide binding; peptide hormone binding;

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