

Recombinant Mouse Mc4r Protein, Myc/DDK-tagged

Cat. No. Mc4r-3987M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length melanocortin 4 receptor (Mc4r), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the melanocortin receptor family. Melanocortin receptors are transmembrane G-protein coupled receptors, which respond to small peptide hormones and exhibit diverse functions and tissue type localization. As part of the central nervous melanocortin system, the encoded protein is competitively bound by either melanocyte stimulating hormone or agouti-related protein to regulate energy homeostasis. Disruption of this gene promotes hyperphagia and obesity, and is associated with increased cholesterol levels and insulin resistance.
Molecular Mass	37 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name Mc4r melanocortin 4 receptor [*Mus musculus* (house mouse)]

Official Symbol Mc4r

Synonyms MC4R; melanocortin 4 receptor; melanocortin receptor 4; MC4-R; Glu3; Fatboy

Gene ID 17202

mRNA Refseq NM_016977

Protein Refseq NP_058673

UniProt ID P56450

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