

Recombinant Human MC4R Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MC4R-522H Lot. No. (See product label)

SPECIFICATION

Product Overview

MC4R MS Standard C13 and N15-labeled recombinant protein (NP_005903) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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 Mass

36.8 kDa

AA Sequence

MVNSTHRGMHTSLHLWNRSSYRLHSNASESLGKGYSDGGCYEQLFVSPEVFTLG
VISLLENILVIVAIAKNKLNHSPMYFFICSLAVADMLVSVSNGSETIVITLLNSTDTDAQS
FTVNIDNVIDSVICSSLLASICSLLSIAVDRYFTIFYALQYHNIMTVKRVGIIISCIWAACT
VSGILFIIYSDSSAVIICLITMFFTMLALMASLYVHMFLMARLHIKRIAVLPGTGAIKQGA
NMKGAITLTILIGVFVVCWAPFFLHLIFYISCPQNPYCVCFMSHFNLYLILIMCNSIIDPLI
YALRSQELRKTTFKEIICCYPLGGLCDLSSRYTRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity

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

 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

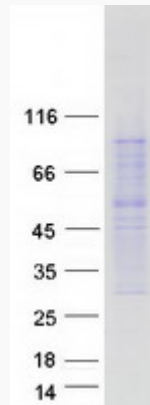
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	MC4R melanocortin 4 receptor [Homo sapiens (human)]
Official Symbol	MC4R
Synonyms	MC4R; melanocortin 4 receptor; melanocortin receptor 4; MC4-R; MGC126851; MGC138197;
Gene ID	4160
mRNA Refseq	NM_005912
Protein Refseq	NP_005903
MIM	155541
UniProt ID	P32245

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SDS-PAGE



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