

Product datasheet for **TP311026M**

MC4 Receptor (MC4R) (NM_005912) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human melanocortin 4 receptor (MC4R), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC211026 representing NM_005912

Red=Cloning site Green=Tags(s)

MVNSTHRGMHTSLHLWNRSSYLHNSASESLGKGYSDGGCYEQLFVSPEVFTLVGISLLENILVIVAIA
KNKNLHSPMYFFICSLAVADMLVSVSNGSETIVITLLNSTDTDAQSFTVNIDNVIDSVICSSLLASICSL
LSIAVDRYFTIFYALQYHNIMTVKRVGIIISCIWAACTVSGILFIIYSDSSAVIICLITMFFTMLALMAS
LYVHMFLMARLHIKRIAVLPGTGAIKQGANMKGAITLILIGVFVVCWAPFFLHLIFYISCPQNPYCVCF
MSHFNLYLILIMCNSIIDPLIYALRSQELRKTFFKEICCYPLGGLCDLSSRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 36.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005903](#)

Locus ID: 4160



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UniProt ID: [P32245](#)

RefSeq Size: 999

Cytogenetics: 18q21.32

RefSeq ORF: 996

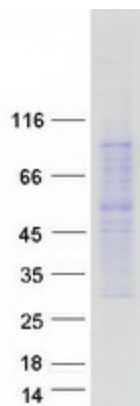
Synonyms: BMIQ20

Summary: 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. [provided by RefSeq, Jan 2010]

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified MC4R protein (Cat# [TP311026]). The protein was produced from HEK293T cells transfected with MC4R cDNA clone (Cat# [RC211026]) using MegaTran 2.0 (Cat# [TT210002]).