

## Product datasheet for TP311026

### MC4 Receptor (MC4R) (NM\_005912) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human melanocortin 4 receptor (MC4R), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211026 representing NM_005912 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MVNSTHRGMHTSLHLWNRSSYLHNSASESLGKGYSDGGCYEQLFVSPEVFTLVGISLLENILVIVAIA KNKNLHSPMYFFICSLAVADMLVSVSNGSETIVITLLNSTDTDAQSFTVNIDNVIDSVICSSLLASICSL LSIAVDRYFTIFYALQYHNIMTVKRVGIIISCIWAACTVSGILFIIYSDSSAVIICLITMFFTMLALMAS LYVHMFLMARLHIKRIAVLPGTGAIKQGANMKGAITLILIGVFVVCWAPFFLHLIFYISCPQNPYCVCF MSHFNLYLILIMCNSIIDPLIYALRSQELRKTKEICCYPLGGLCDLSSRY
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	<u><a href="#">NP_005903</a></u>
Locus ID:	4160



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UniProt ID: [P32245](#)

RefSeq Size: 999

Cytogenetics: 18q21.32

RefSeq ORF: 996

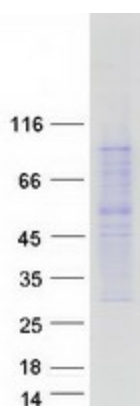
Synonyms: BMIQ20

**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]).