

Product datasheet for TP311026L

MC4 Receptor (MC4R) (NM_005912) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human melanocortin 4 receptor (MC4R), 1 mg |
| 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 MSHFNLYLILIMCNSIIDPLIYALRSQELRKTKEICCYPLGGLCDLSSRY |
| | 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: | <u>NP_005903</u> |
| Locus ID: | 4160 |



[View online »](#)

UniProt ID: [P32245](#)

RefSeq Size: 999

Cytogenetics: 18q21.32

RefSeq ORF: 996

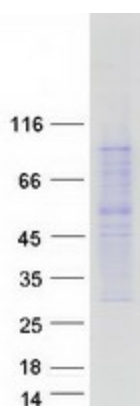
Synonyms: BMIQ20

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]).