

Product datasheet for PH311026

MC4 Receptor (MC4R) (NM_005912) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MC4R MS Standard C13 and N15-labeled recombinant protein (NP_005903)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211026
Predicted MW:	36.8 kDa
Protein Sequence:	>RC211026 representing NM_005912 Red=Cloning site Green=Tags(s) MVNSTHRGMHTSLHLWNRSSYRLHSNASESLGKGYSDGGCYEQLFVSPEVFTLVGISLLENILVIVAIA KNKNLHSPMYFFICSLAVADMLVSVSNGSETIVITLLNSTDTDAQSFTVNIDNVIDSVICSSLASICSL LSIAVDRYFTIFYALQYHNIMTVKRVGIIISCIWAACVSGILFIIYSDSSAVIICLITMFFTMLALMAS LYVHMFLMARLHIKRIAVLPGTGAIHQGANMKGAILTLILIGVFVVCWAPFFLHLIFYISCPQNPYCVCF MSHFNLYLILIMCNSIIDPLIYALRSQELRKTKEIICCYPLGGLCDLSSRY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005903
RefSeq Size:	999
RefSeq ORF:	996
Synonyms:	BMIQ20
Locus ID:	4160



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UniProt ID: [P32245](#)

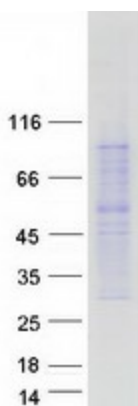
Cytogenetics: 18q21.32

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]).