

Product datasheet for TP525777

Mc4r (NM_016977) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse melanocortin 4 receptor (Mc4r), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225777 protein sequence Red =Cloning site Green =Tags(s)
	MNSTHHHGMYSLHLWNRSSYGLHGNASESLGKGHDPDGGCYEQLFVSPEVFVTLGVISLLENILVIVAIA KNKNLHSPMYFFICSLAVADMLVSVSNGSETIVITLLNSTDTDAQSFTVNIDNVIDSVICSSLLASICSL LSIAVDRYFTIFYALQYHNIMTVRRVGIISCIWAACVSGVLFIIYSDSSAVIICLISMFFTMLVLMAS LYVHMFLMARLHIKRIAVLPGTGTIRQGTNMKGAITLTILIGVFVVCWAPFFLHLLFYISCPQNPYCVCF MSHFNLYLILIMCNAVIDPLIYALRSQELRKTKEICFYPLGGICELSSRY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	37 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
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 after receiving vials.
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_058673
Locus ID:	17202
UniProt ID:	P56450



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RefSeq Size: 2783

Cytogenetics: 18 E1

RefSeq ORF: 999

Synonyms: Fatb; Mc4-r; Pk; Pkcp

Summary: This gene encodes a member of the melanocortin receptor family. Melanocortin receptors are transmembrane G-protein coupled receptors, which respond to small peptide hormones and exhibit diverse functions and tissue type localization. As part of the central nervous melanocortin system, the encoded protein is competitively bound by either melanocyte stimulating hormone or agouti-related protein to regulate energy homeostasis. Disruption of this gene promotes hyperphagia and obesity, and is associated with increased cholesterol levels and insulin resistance. [provided by RefSeq, Dec 2012]