

## Product datasheet for **TP310483**

### MC2 receptor (MC2R) (NM\_000529) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human melanocortin 2 receptor (adrenocorticotropic hormone) (MC2R), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210483 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MKHIINSYENINNTARNNSDCPRVLPPEIFFTISIVGVLENLIVLLAVFKNKNLQAPMYFFICSLAISD MLGSLYKILENILILRNMGYLKPRGSFETTADDIIDSFLVLSLLGSIFSLSVIAADRYITIFHALRYHS IVTMRRTVVWLTVIWTFCTGTGITMVIFSHHVPTVITFTSLFPLMLVILCLYVHMFLARSHTRKISTL PRANMKGAITLTILLGVFIFCWAPFVLHVLLMTFCSPNPYCACYMSLFQVNGMLIMCNAVIDPFIYAFRS PELRDAFKKMIFCSRYW</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	33.7 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_000520</a></u>
Locus ID:	4158



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UniProt ID: [Q01718](#)

RefSeq Size: 3652

Cytogenetics: 18p11.21

RefSeq ORF: 891

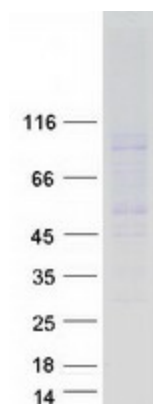
Synonyms: ACTHR

**Summary:** MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotrophic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotrophic hormone, whereas the other four melanocortin receptors recognize a variety of melanocortin ligands. Mutations in MC2R can result in familial glucocorticoid deficiency. Alternate transcript variants have been found for this gene. [provided by RefSeq, May 2014]

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified MC2R protein (Cat# TP310483). The protein was produced from HEK293T cells transfected with MC2R cDNA clone (Cat# [RC210483]) using MegaTran 2.0 (Cat# [TT210002]).