

Recombinant Full Length Human MC2R Protein, C-Flag-tagged

Cat. No. MC2R-1483HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MC2R Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.7 kDa
AA Sequence	MKHIINSYENINNTARNNSDCPRVVLPEEIFFTISIVGVLENLIVLLAVFKNKNLQAPMY FFICSLAISD MLGSLYKILENILIILRNMGYLKPRGSFETTADDIISLFLVLSLLGSIFSLS VIAADRYITIFHALRYHS IVTMRRTVVVLTVIWTFCTGTGITMVIFSHHVPTVITFTSLFP LMLVFILCLYVHMFLLARSHTRKISTL PRANMKGAILTLILGVFIFCWAPFVLHVLLMT FCPSNPYCACYMSLFQVNGMLIMCNAVIDPFIYAFRS PELRDAFKKMIFCSRYWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Full Length	Full L.

GENE INFORMATION

Gene Name	MC2R melanocortin 2 receptor [Homo sapiens (human)]
Official Symbol	MC2R
Synonyms	ACTHR
Gene ID	4158
mRNA Refseq	NM_000529.2
Protein Refseq	NP_000520.1

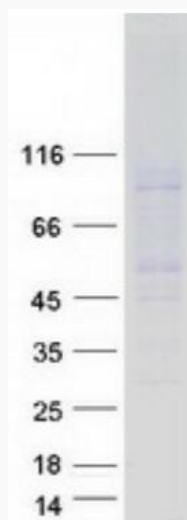
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MIM 607397

UniProt ID Q01718



Coomassie blue staining of purified MC2R protein.

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