PRODUCT INFORMATION

Target	MC2R
Synonyms	ACTHR
Description	Recombinant human MC2R Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q01718
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	MC2R(Met1-Arg23) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.8 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotropic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotropic 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]
Usage	Research use only
Conjugate	Unconjugated

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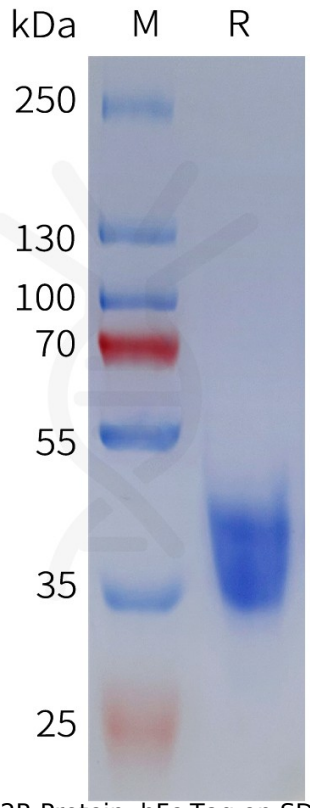


Figure 1. Human MC2R Protein, hFc Tag on SDS-PAGE under reducing condition.

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