

PRODUCT INFORMATION

Target MC2R **ACTHR Synonyms**

Recombinant human MC2R Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q01718 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

MC2R(Met1-Arg23) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 28.8 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. 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).

Storage & Shipping Lyophilized proteins are shipped at ambient

temperature.

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

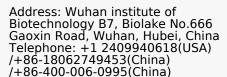
Background adrenocorticotropic hormone, whereas the other

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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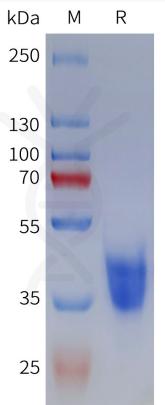


Figure 1. Human MC2R Protein, hFc Tag on SDS-PAGE under reducing condition.

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