

## Recombinant Human NPY protein, His-tagged

**Cat. No.** NPY-4717H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MC4R protein(Met1-Gln43)(P32245), fused with C-terminal hFc tag, was expressed in HEK293.                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Met1-Gln43                                                                                                                                                                                                                                         |
| <b>Tag</b>              | C-hFc                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.                                                                                                                                   |
| <b>Molecular Mass</b>   | The protein has a predicted molecular mass of 31.0 kDa after removal of the signal peptide. The apparent molecular mass of MC4R-hFc is approximately 35-55 kDa due to glycosylation.                                                               |
| <b>Purity</b>           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                               |
| <b>Storage</b>          | 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. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                 |                                                        |
|-----------------|--------------------------------------------------------|
| Gene Name       | MC4R melanocortin 4 receptor [ Homo sapiens ]          |
| Official Symbol | MC4R                                                   |
| Synonyms        | MC4R; melanocortin 4 receptor; melanocortin receptor 4 |
| Gene ID         | 4160                                                   |
| mRNA Refseq     | NM_005912                                              |
| Protein Refseq  | NP_005903                                              |
| MIM             | 155541                                                 |
| UniProt ID      | P32245                                                 |

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**SDS-PAGE**

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