

PRODUCT INFORMATION

HCRTR1 **Target**

Synonyms ORXR1;OX1R;OXR1

Recombinant Human HCRTR1 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** 043613 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

HCRTR1(Met1-Glu46) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

31.5 kDa after removal of the signal peptide. The apparent molecular mass of HCRTR1-hFc is **Molecular Weight** approximately 35-55 kDa due to glycosylation.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A

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related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin

B. [provided by RefSeq, Jan 2009]

Usage Research use only Conjugate Unconjugated

Figure 1. Human HCRTR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

