

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **HUMAN HCRTR1 PROTEIN, HFC TAG**

Cat.#: 11850

**Product Name:** Human HCRTR1 Protein

**Size:** 10 µg, 50 µg and 100 µg **Synonyms:** ORXR1;OX1R;OXR1

Target: HCRTR1

**UNIPROT ID:** 043613

**Description:** Recombinant Human HCRTR1 Protein with C-terminal human

Fc tag

**Background:** 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 related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B. [provided by RefSeq, Jan 2009]

Species/Host: HEK293

**Molecular Weight:** 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 approximately 35-55 kDa due to glycosylation.

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

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

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**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.



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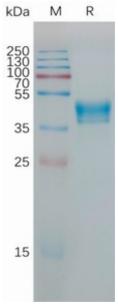


Figure 1. Human HCRTR1 Protein, hFc Tag on SDS-PAGE under reducing condition.