

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: O43613

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.



Figure 1. Human HCRT1 Protein, hFc Tag on SDS-PAGE under reducing condition.