HUMAN GCGR PROTEIN, HFC TAG

Cat.#: 11512

Product Name: Human GCGR Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: GL-R

Target: GCGR

UNIPROT ID: P47871

Description: Recombinant human GCGR protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a glucagon receptor that is important in controlling blood glucose levels. Defects in this gene are a cause of non-insulin-dependent diabetes mellitus (NIDDM).[provided by RefSeq, Jan 2010]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 39.2 kDa after removal of the signal peptide. The apparent molecular mass of GCGR-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: GCGR(Ala26-Lys136) 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.

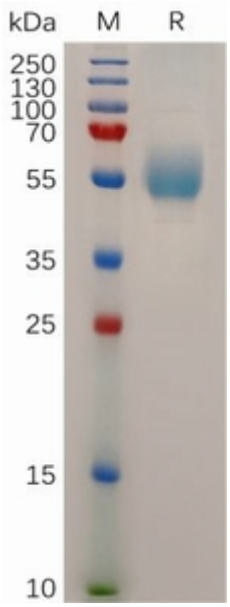

Figure 1. Human GCGR Protein, hFc Tag on SDS-PAGE under reducing condition.