HUMAN GPR55(1-21) PROTEIN, HFC TAG

Cat.#: 11545

Product Name: Human GPR55(1-21) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: G-protein coupled receptor 55

Target: GPR55

UNIPROT ID: Q9Y2T6

Description: Recombinant human GPR55(1-21) protein with C-terminal human Fc tag

Background: This gene belongs to the G-protein-coupled receptor superfamily. The encoded integral membrane protein is a likely cannabinoid receptor. It may be involved in several physiological and pathological processes by activating a variety of signal transduction pathways. [provided by RefSeq, Aug 2013]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 28.5 kDa after removal of the signal peptide. The apparent molecular mass of GPR55(1-21)-hFc is approximately 35-40 kDa due to glycosylation.

Molecular Characterization: GPR55(1-21)(Met1-Thr21) 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.

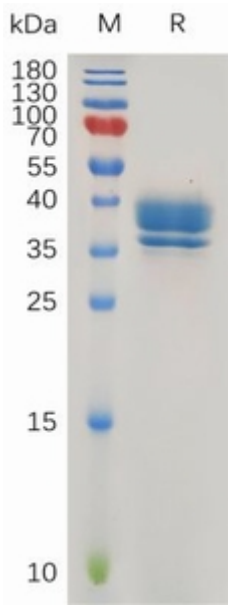

Figure 1. Human GPR55(1-21) Protein, hFc Tag on SDS-PAGE under reducing condition.