

## 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.

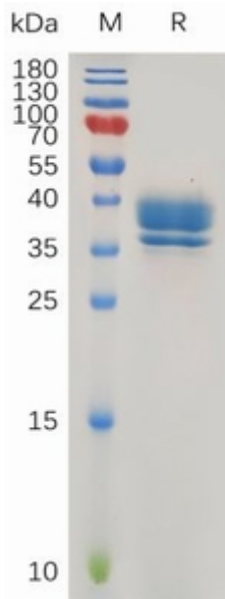


Figure 1. Human GPR55(1-21) Protein, hFc Tag on SDS-PAGE under reducing condition.