HUMAN GPR20 PROTEIN, HFC TAG

Cat.#: 11930

Product Name: Human GPR20 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: G-protein coupled receptor 20

Target: GPR20

UNIPROT ID: Q99678

Description: Recombinant Human GPR20 Protein with C-terminal human Fc tag

Background: Enables G protein-coupled receptor activity. Predicted to be involved in positive regulation of Rho protein signal transduction and positive regulation of cytosolic calcium ion concentration involved in phospholipase C-activating G protein-coupled signaling pathway. Located in cytosol and plasma membrane. Is integral component of plasma membrane. Part of receptor complex. [provided by Alliance of Genome Resources, Apr 2022]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 31.0 kDa after removal of the signal peptide. The apparent molecular mass of GPR20-hFc is approximately 25-35 kDa due to glycosylation.

Molecular Characterization: GPR20(Met1-Thr48) 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.

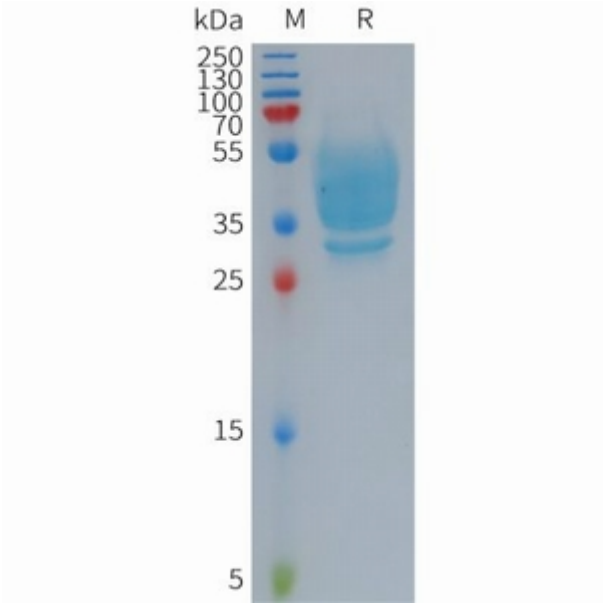

Figure 1.Human GPR20 Protein, hFc Tag on SDS-PAGE under reducing condition.