HUMAN GPR81 PROTEIN, HFC TAG

Cat.#: 11959

Product Name: Human GPR81 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: HCA1;HCAR1;LACR1;FKSG80;GPR104;TAGPCR;TA-GPCR

Target: GPR81

UNIPROT ID: Q9BXC0

Description: Recombinant Human GPR81 Protein with C-terminal human Fc tag

Background: G protein-coupled receptors (GPCRs, or GPRs), such as GPR81, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.[supplied by OMIM, Feb 2005]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 28.4 kDa after removal of the signal peptide. The apparent molecular mass of GPR81-hFc is approximately 25-55 kDa due to glycosylation.

Molecular Characterization: GPR81(Met1-Leu21) 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.

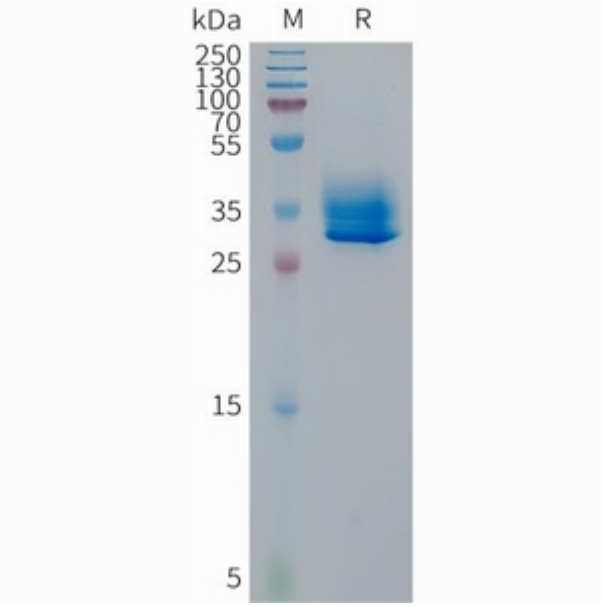

Figure 1.Human GPR81 Protein, hFc Tag on SDS-PAGE under reducing condition.