

## 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.

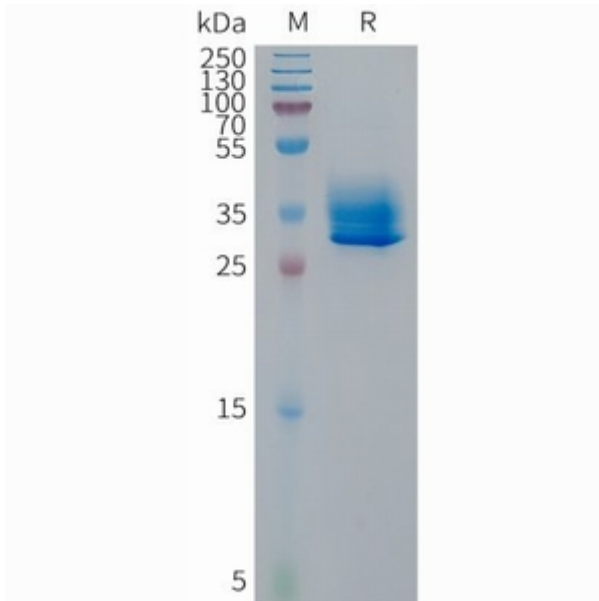


Figure 1. Human GPR81 Protein, hFc Tag on SDS-PAGE under reducing condition.