

HUMAN FGF21 PROTEIN, HFC TAG**Cat.#:** 11557**Product Name:** Human FGF21 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Fibroblast growth factor 21;FGF-21**Target:** FGF21**UNIPROT ID:** Q9NSA1**Description:** Recombinant human FGF21 protein with C-terminal human Fc tag**Background:** This gene encodes a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. This protein is a secreted endocrine factor that functions as a major metabolic regulator. The encoded protein stimulates the uptake of glucose in adipose tissue. [provided by RefSeq, Mar 2016]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 45.5 kDa after removal of the signal peptide. The apparent molecular mass of FGF21-hFc is approximately 40–55 kDa due to glycosylation.**Molecular Characterization:** FGF21(His29–Ser209) 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.

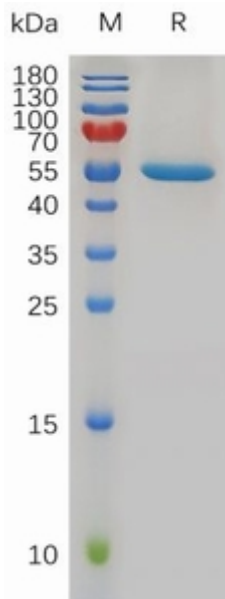


Figure 1. Human FGF21 Protein, hFc Tag on SDS-PAGE under reducing condition.