

HUMAN GPR77 (1-38) PROTEIN, HFC TAG**Cat.#:** 11464**Product Name:** Human GPR77 (1-38) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** C5L2;GPF77;GPR77**Target:** GPR77**UNIPROT ID:** Q9P296**Description:** Recombinant Human GPR77(1-38) with C-terminal human Fc tag**Background:** This gene encodes a G-protein coupled receptor 1 family member involved in the complement system of the innate immune response. Unlike classical G-protein coupled receptors, the encoded protein does not associate with intracellular G-proteins. It may instead modulate signal transduction through the beta-arrestin pathway, and may alternatively act as a decoy receptor. This gene may be involved in coronary artery disease and in the pathogenesis of sepsis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 30.2 kDa after removal of the signal peptide. The apparent molecular mass of GPR77(1-38)-hFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** GPR77(Met1-Pro38) 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.

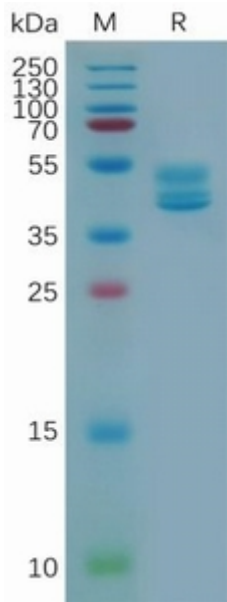


Figure 1. Human GPR77(1-38) Protein, hFc Tag on SDS-PAGE under reducing condition.