

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **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.



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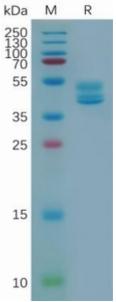


Figure 1. Human GPR77(1-38) Protein, hFc Tag on SDS-PAGE under reducing condition.