

HUMAN GPR87 PROTEIN, MFC TAG**Cat.#:** 11778**Product Name:** Human GPR87 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** GPR95;FKSG78**Target:** GPR87**UNIPROT ID:** Q9BY21**Description:** Recombinant human GPR87 protein with C-terminal mouse Fc tag**Background:** This gene encodes a G protein-coupled receptor and is located in a cluster of G protein-coupled receptor genes on chromosome 3. The encoded protein has been shown to be overexpressed in lung squamous cell carcinoma (PMID:18057535) and regulated by p53 (PMID:19602589). [provided by RefSeq, Nov 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 31.3 kDa after removal of the signal peptide. The apparent molecular mass of GPR87-mFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** GPR87(Met1-Pro46) mFc(Pro99-Lys330)**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 GPR87 Protein, mFc Tag on SDS-PAGE under reducing condition.