

HUMAN GPRC5C PROTEIN, MFC TAG**Cat.#:** 11776**Product Name:** Human GPRC5C Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** RAIG-3**Target:** GPRC5C**UNIPROT ID:** Q9NQ84**Description:** Recombinant human GPRC5C protein with C-terminal mouse Fc tag**Background:** The protein encoded by this gene is a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The specific function of this protein is unknown; however, this protein may mediate the cellular effects of retinoic acid on the G protein signal transduction cascade. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 28.8 kDa after removal of the signal peptide. The apparent molecular mass of GPRC5C-mFc is approximately 25-35 kDa due to glycosylation.**Molecular Characterization:** GPRC5C(Val27-Gly50) 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.

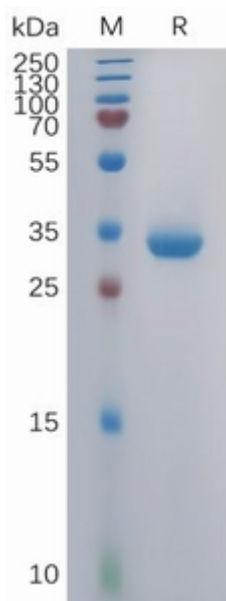


Figure 1. Human GPRC5C Protein, mFc Tag on SDS-PAGE under reducing condition.