

**HUMAN GPRC5B PROTEIN, MFC TAG****Cat.#:** 11775**Product Name:** Human GPRC5B Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** A-69G12.1;RAIG-2**Target:** GPRC5B**UNIPROT ID:** Q9NZH0**Description:** Recombinant human GPRC5B protein with C-terminal mouse Fc tag**Background:** This gene encodes 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 encoded protein may modulate insulin secretion and increased protein expression is associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]**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 GPRC5B-mFc is approximately 25–35 kDa due to glycosylation.**Molecular Characterization:** GPRC5B(Thr33–Gly56) 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.

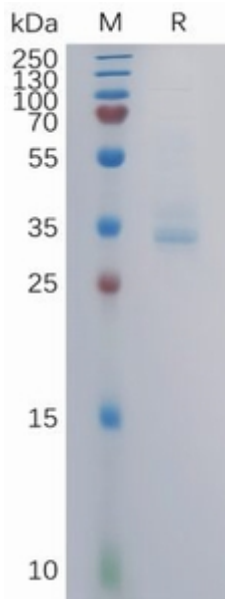


Figure 1. Human GPRC5B Protein, mFc Tag on SDS-PAGE under reducing condition.