

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.

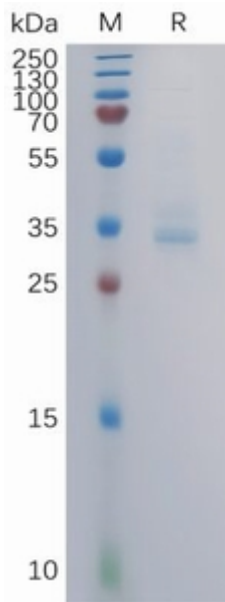


Figure 1. Human GPRC5B Protein, mFc Tag on SDS-PAGE under reducing condition.