HUMAN GPRC5A PROTEIN, MFC TAG

Cat.#: 11774

Product Name: Human GPRC5A Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: PEIG-1;RAIG-1

Target: GPRC5A

UNIPROT ID: Q8NFJ5

Description: Recombinant human GPRC5A protein with C-terminal mouse Fc tag

Background: This gene encodes a member of the type 3 G protein-coupling receptor family, characterized by the signature 7-transmembrane domain motif. The encoded protein may be involved in interaction between retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in development, cellular growth, and differentiation. This gene may play a role in embryonic development and epithelial cell differentiation. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 29.9 kDa after removal of the signal peptide. The apparent molecular mass of GPRC5A-mFc is approximately 25-35 kDa due to glycosylation.

Molecular Characterization: GPRC5A(Met1-Thr33) 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.

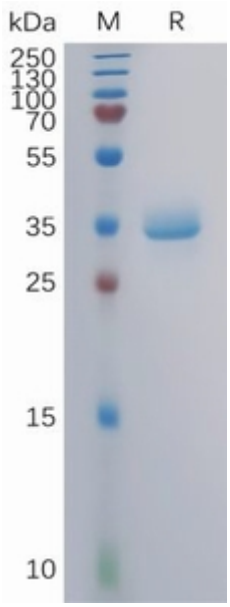

Figure 1. Human GPRC5A Protein, mFc Tag on SDS-PAGE under reducing condition.