HUMAN GPRC5D PROTEIN, HFC TAG

Cat.#: 11473
Product Name: Human GPRC5D Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: GPRC5D
Target: GPRC5D
UNIPROT ID: Q9NZD1
Description: Recombinant human GPRC5D protein with C-terminal human Fc tag
Background: The protein encoded by this gene is a member of the G protein-coupled receptor family, however, the specific function of this gene has not yet been determined.
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 28.4 kDa after removal of the signal peptide.The apparent molecular mass of GPRC5D-hFc is approximately 25-35 kDa due to glycosylation.
Molecular Characterization: GPRC5D(Met1-Glu27) hFc(Glu99-Ala330)
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.

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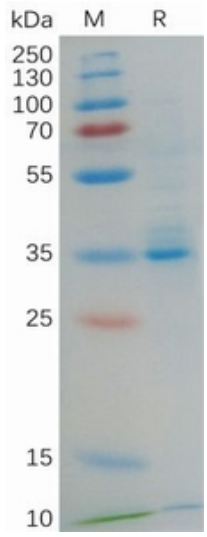

Figure 1. Human GPRC5D Protein, hFc Tag on SDS-PAGE under reducing condition.

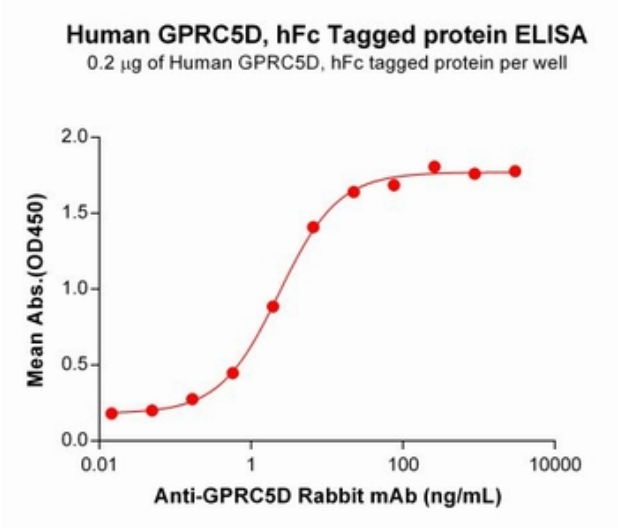

Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human GPRC5D Protein, hFc Tag (11473) can bind Anti-GPRC5D antibody (DM91), Rabbit mAb 28423 in a linear range of 0.17-22.45 ng/mL.

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