

HUMAN GPRC5D PROTEIN, MFC TAG

Cat.#: 11359

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 mouse 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-mFc is approximately 25-35 kDa due to glycosylation.

Molecular Characterization: GPRC5D(Met2-Glu21) 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.

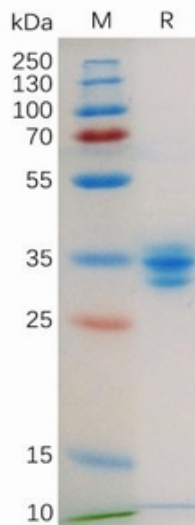


Figure 1. Human GPRC5D Protein, mFc Tag on SDS-PAGE under reducing condition.

Human GPRC5D, mFc Tagged protein ELISA

0.2 µg of Human GPRC5D, mFc tagged protein per well

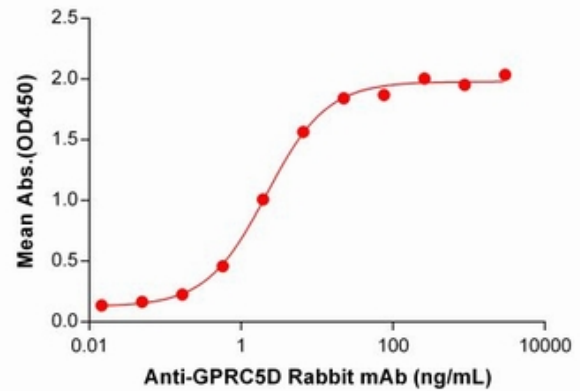


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human GPRC5D Protein, mFc Tag (11359) can bind Anti-GPRC5D antibody (DM91), Rabbit mAb 28423 in a linear range of 0.17-22.45 ng/mL.