

CYNOMOLGUS GPRC5D (1-21) PROTEIN, HFC TAG

Cat.#: 11362

Product Name: Cynomolgus GPRC5D (1-21) Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: GPRC5D

Target: GPRC5D

UNIPROT ID: F6Y5U7

Description: Recombinant Cynomolgus 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 28.5 kDa after removal of the signal peptide. The apparent molecular mass of cGPRC5D-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: cGPRC5D(Met1-Pro21) 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.

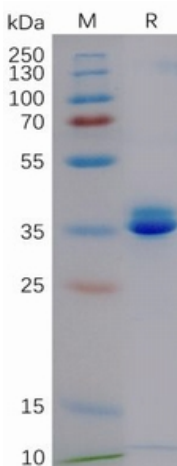


Figure 1. Cynomolgus GPRC5D Protein, hFc Tag on SDS-PAGE under reducing condition.

Cynomolgus GPRC5D (1-21), hFc Tagged protein ELISA

0.2 µg of Cynomolgus GPRC5D (1-21), hFc tagged protein per well

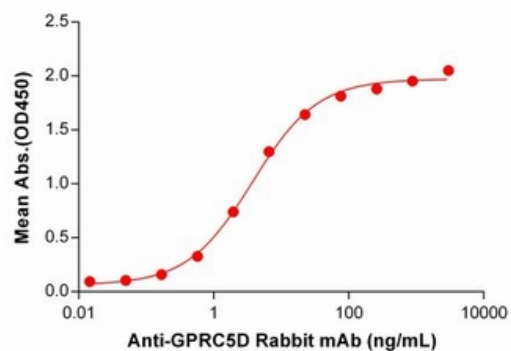


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Cynomolgus GPRC5D (1-21) Protein, hFc Tag (11362) can bind Anti-GPRC5D antibody (DM91), Rabbit mAb 28423 in a linear range of 0.57-76.33 ng/mL.