

HUMAN GPR20 FULL LENGTH PROTEIN

货号: 11089

产品全名: 人 GPR20 Full Length 蛋白

规格: 10/50/100 µg

基因符号: --

目标蛋白: GPR20

UNIPROT ID: Q99678

描述: 人 GPR20 full length protein-synthetic nanodisc

背景: GPR20 is one of the orphan GPCRs that has been identified from human genomic DNA by PCR amplification using primers based on the sequences of the opioid/somatostatin-related receptors, GPR7 and GPR8. The expression of human GPR20 has been detected in several brain regions, including the caudate nuclei, putamen, and the thalamus. A recently disclosed patent demonstrated that GPR20-deficient mice exhibited a hyperactivity disorder characterized by an increase in total distance traveled in an open field test, implying a substantial role of GPR20 in neurophysiological function. However, the physiological mechanisms of GPR20 action, including the identification of natural ligands for GPR20, have not yet been elucidated.

物种/宿主: HEK293

分子量: The human full length GPR20 protein has a MW of 38.7 kDa

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.

储存和运输: 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.

ELISA assay to evaluate GPR20-Nanodisc
0.2µg Human GPR20-Nanodisc per well

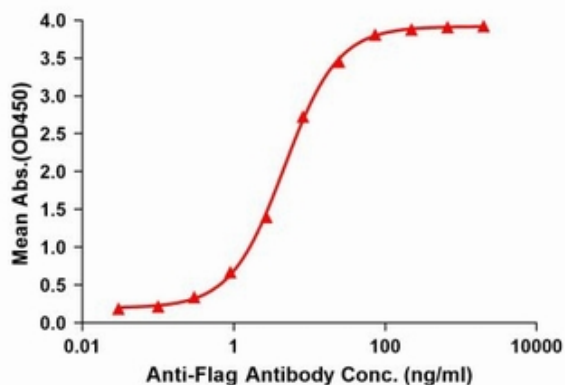


Figure1. Elisa plates were pre-coated with Flag Tag GPR20-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR20-Nanodisc is 4.663ng/ml.



Figure2. Human GPR20-Nanodisc, Flag Tag on SDS-PAGE