

HUMAN GPR20 FULL LENGTH PROTEIN

目录: 11089

产品名称: Human GPR20 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: --

Target: GPR20

UNIPROT ID: Q99678

描述: Human 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.

Species/Host: HEK293

Molecular Weight: 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.

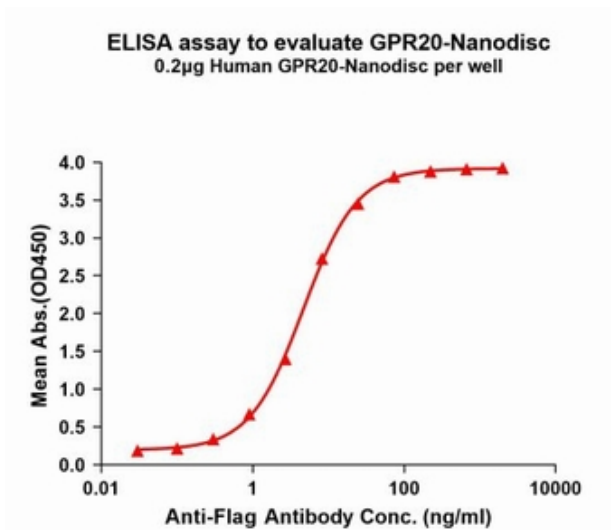


Figure1. Elisa plates were pre-coated with Flag Tag GPR20-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with GPR20-Nanodisc is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

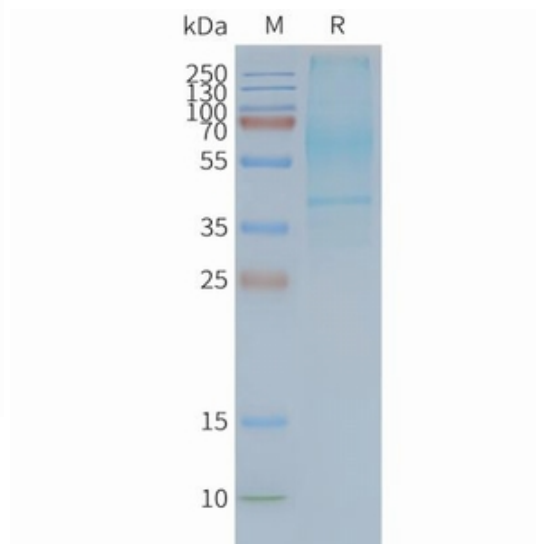


Figure2. Human GPR20-Nanodisc, Flag Tag on SDS-PAGE