

HUMAN CB2 FULL LENGTH PROTEIN

目录: 11119

产品名称: Human CB2 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: CB-2; CNR2; CX5

Target: CB2

UNIPROT ID: P34972

描述: Human CB2 full length protein-synthetic nanodisc

背景: The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (brain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors.

Species/Host: HEK293

Molecular Weight: The human full length CB2 protein has a MW of 39.7 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 CB2-Nanodisc
0.2µg Human CB2-Nanodisc per well

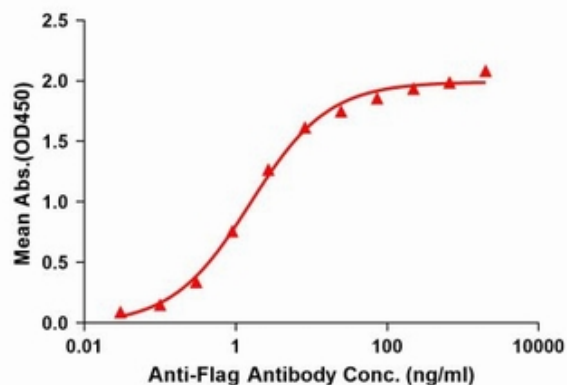


Figure1. Elisa plates were pre-coated with Flag Tag CB2-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with CB2-Nanodisc is 1.557ng/ml.

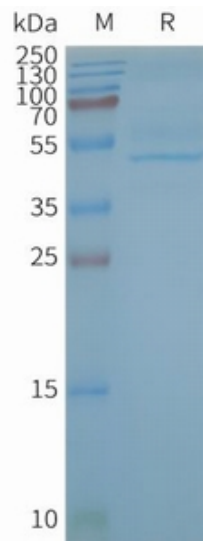


Figure2. Human CB2-Nanodisc, Flag Tag on SDS-PAGE