

PRODUCT INFORMATION

CB1 **Target**

Synonyms CANN6, CB-R, CB1, CB1A, CB1K5, CB1R, CNR

Biotinylated Recombinant human CB1 (1-116) **Description** Protein with C-terminal Human Fc Avi tag

Delivery In Stock **Uniprot ID** P21554

Expression Host HEK293

Tag C-Human Fc Avi tag

Molecular

Purity

CB1(Met1-Gln116) hFc(Glu99-Ala330) Avi tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 41.1 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. 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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9tetrahydrocannabinol and synthetic analogs, are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family, which inhibit adenylate cyclase activity in a dose-dependent, stereoselective and pertussis toxin-sensitive

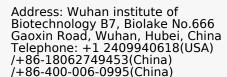
Background manner. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. Multiple transcript variants encoding two different protein

isoforms have been described for this gene.

Usage Research use only

Conjugate Biotinylated

> Email: info@dimabio.com Website: www.dimabio.com





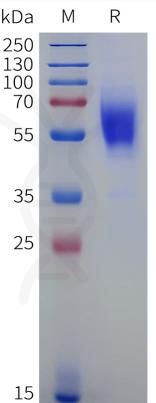
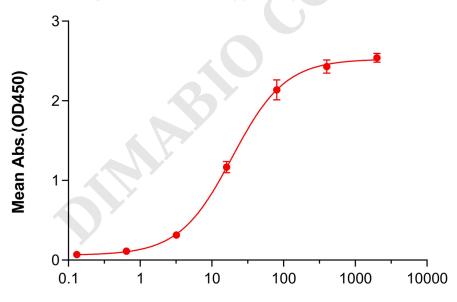


Figure 1. Biotinylated Human CB1 (1-116) Protein, hFc Tag on SDS-PAGE under reducing condition.

Biotinylated Human CB1 (1-116), hFc Tagged Protein ELISA

0.2 μg of Anti-CB1 antibody(DM144), Rabbit mAb per well



Biotinylated Human CB1 (1-116), hFc Tagged Protein (ng/mL)

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Anti-CB1 antibody(DM144), Rabbit mAb (DME100144) can bind Biotinylated Human CB1 (1-116) Protein, hFc Tag (PME100507B) in a linear range of 3.2-16 ng/mL. In order to specifically detect PME100507B, HRP Conjugated Streptavidin was used as detection antibody.

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