Cat. No. PME100508



PRODUCT INFORMATION

CB1 **Target**

CANN6;CB-R;CB1;CB1A;CB1K5;CB1R;CNR **Synonyms**

Recombinant Human CB1 protein with C-terminal **Description**

human Fc

Delivery In Stock **Uniprot ID** P21554 **Expression Host HEK293**

Tag C-Human Fc Tag

CB1(Met1-Gln116) (Asp176-Asn187) (Asn256-Glu273) (Asp366-Thr377) hFc(Glu99-Ala330) Molecular

Characterization

The protein has a predicted molecular mass of 44.2 kDa after removal of the signal peptide. The apparent molecular mass of CB1-hFc is **Molecular Weight**

approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). 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 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.

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Usage Research use only

Conjugate Unconjugated

Background





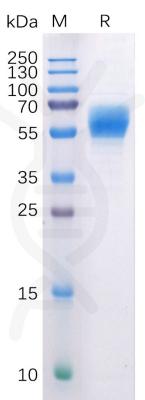


Figure 1. Human CB1 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CB1 Protein, hFc Tagged protein ELISA

0.2 μg of Human CB1, hFc tagged protein per well

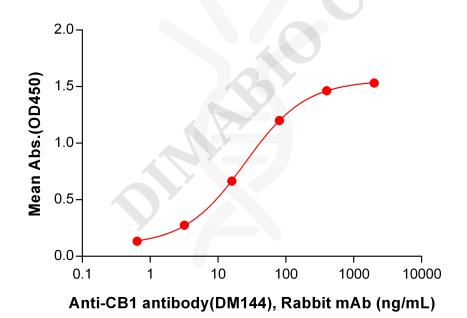


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CB1 Protein, hFc Tag (PME100508) can bind Anti-CB1 antibody(DM144), Rabbit mAb in a linear range of 3.20–16 ng/mL.

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