

PRODUCT INFORMATION

CB1 **Target**

Synonyms Cannabinoid receptor 1;CB-R;Cnr1

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

human Fc tag

Delivery In Stock **Uniprot ID** P47746 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Mouse CB1(Met1-Leu118) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 39.4 kDa after removal of the signal peptide. The **Molecular Weight**

apparent molecular mass of mCB1-hFc is

approximately 40-55 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,

Background 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.

[provided by RefSeq, May 2009]

Usage Research use only Conjugate Unconjugated







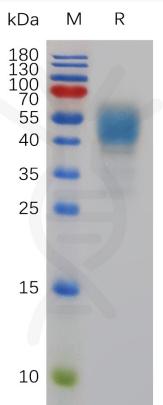


Figure 1. Mouse CB1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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