

32-17922: Recombinant Mouse CB1 Protein, hFc Tag

Uniprot ID : P47746

Alternative Name : Cannabinoid receptor 1, CB-R, Cnr1

Description

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

Molecular weight: The protein has a predicted molecular mass of 39.4 kDa after removal of the signal peptide. The apparent molecular mass of mCB1-hFc is approximately 40-55 kDa due to glycosylation.

Description: Recombinant mouse CB1 protein with C-terminal human Fc tag

This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol 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.

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.