PRODUCT INFORMATION

Target	CB1
Synonyms	Cannabinoid receptor 1;CB-R;Cnr1
Description	Recombinant mouse CB1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P47746
Expression Host	HEK293
Tag	C-Human Fc Tag
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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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. [provided by RefSeq, May 2009]
Usage	Research use only
Conjugate	Unconjugated

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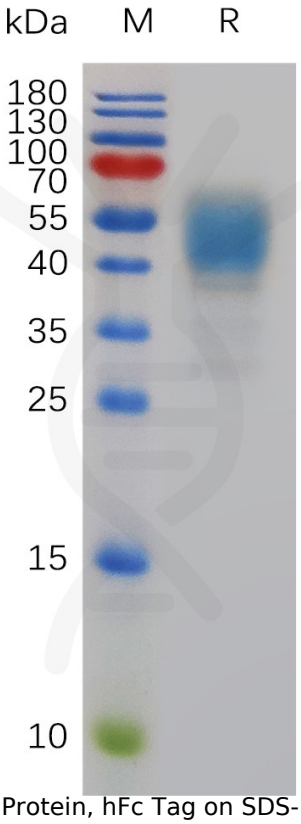


Figure 1. Mouse CB1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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