PRODUCT INFORMATION

Target	CB2
Synonyms	CB-2;CB2;CX5
Description	Recombinant Human CB2 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P34972
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CB2(Met1-Lys33) (Asn93-Ala104) (Thr173-Asn188) (Ala270-Lys278) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 33.9 kDa after removal of the signal peptide.The apparent molecular mass of CB2-hFc is approximately 35-55 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	The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (brain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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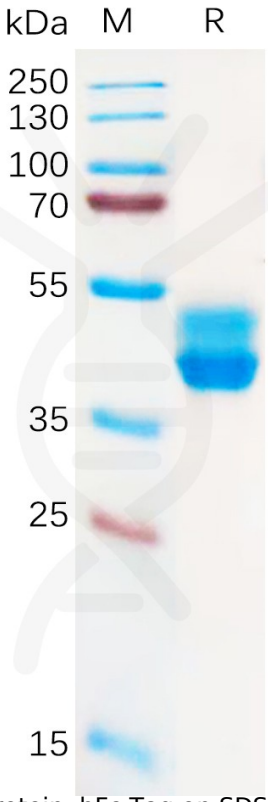


Figure 1. Human CB2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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