

**HDFP495**

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## Product Information

<b>Product SKU:</b>	HDFP495	<b>Expression Host:</b>	HEK293	<b>Size:</b>	50µg
<b>Target:</b>	CB2	<b>Tag:</b>	-		

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## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	P34972
<b>Molecular Weight:</b>	The human full length CB2 protein has a MW of 39.7 kDa		

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## Protein Information

**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.

**Synonyms:** CB-2; CNR2; CX5

**Protein Description:** Human CB2 full length protein-MNP

**Formulation:** Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

**Protein Pathways:** Neuroactive ligand-receptor interaction.

**Protein Families:** Druggable Genome, GPCR, Transmembrane.

**Usage:** Research use only

**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.

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