

Recombinant Full Length Human CNR2 Protein

Cat. No. CNR2-102HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Cannabinoid Receptor II with N terminal proprietary tag; Predicted MWt 65.67 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	360 amino acids
Description	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.
Form	Liquid
Molecular Mass	65.670kDa inclusive of tags
AA Sequence	MEECWVTEIANGSKDGLDSNPMKDYMILSGPQKTAVAVLC TLLGLLSALENVAVLYL ILSSHQLRRKPSYLFIGSLAG ADFLASVVFACSFVNFHVFHGVDSKAVFLLKIGSVTM TFT ASVGSLLLLTAIDRYLCLRYPPSYKALLTRGRALVTLGI MWVLSALVSYLPLMGW

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TCCPRPCSELFPLIPNDYLLSWLL FIAFLFSGIITYGHVLWKAHQHVASLSGHQDRQ
VPGM ARMRLDVRLAKTLGLVLAVLLICWFPVLALMAHSLATTLS DQVKKAFAFCSM
LCLINSMVNPVIYALRSGEIRSSAHH CLAHWKKCVRGLGSEAKEEAPRSSVTETED
GKITPWPDS RDLDLSDC

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name CNR2 cannabinoid receptor 2 (macrophage) [Homo sapiens]

Official Symbol CNR2

Synonyms CNR2; cannabinoid receptor 2 (macrophage); cannabinoid receptor 2; CB2

Gene ID 1269

mRNA Refseq NM_001841

Protein Refseq NP_001832

MIM 605051

UniProt ID P34972

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