

Recombinant Full Length Human CNR2 Proteoliposome

Cat. No. CNR2-14HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CNR2 full-length ORF (NP_001832.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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	39.7 kDa
AA Sequence	MEECWVTEIANGSKDGLDSNPMKDYMILSGPQKTAVAVLCTLLGLLSALENVAVLYLI LSSHQLRRKPSYLFIGSLAGADFLASVVFACSFVNFHVFHGVDSKAVFLLKIGSVTMT FTASVGSLLLTAIDRYLCLRYPPSYKALLTRGRALVTLGIMWVLSALVSYLPLMGWTC CPRPCSELFPLIPNDYLLSWLLFIAFLFSGIITYTYGHVLWKAHQHVASLSGHQDRQVP GMARMRLDVRLAKTLGLVLAVLLICWFPVLALMAHSLATTLSDQVKKAFACSMCLCI NSMVNPVIYALRSGEIRSSAHHCLAHWKKCVRLGSEAKEEAPRSSVTETEDGKIT

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	PWPDSRDLSDLSDC
Applications	Antibody Production
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Preparation	in vitro wheat germ expression system with proprietary liposome technology

GENE INFORMATION

Gene Name	CNR2 cannabinoid receptor 2 [Homo sapiens (human)]
Official Symbol	CNR2
Synonyms	CB2; CX5; CB-2
Gene ID	1269
mRNA Refseq	NM_001841.3
Protein Refseq	NP_001832.1
MIM	605051

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