

# Recombinant Human CNR1

**Cat. No.** CNR1-27264TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 1-110 of Human Cannabinoid Receptor I with an N terminal proprietary tag; Predicted MWt 37.73 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	110 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	37.730kDa inclusive of tags
<b>Tissue specificity</b>	Widely expressed.
<b>Form</b>	Liquid

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<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MKSILDGLADTTTFRITITDILLYVGSNDIQYEDIKGDMSK LGYFPQKFPLTSFRGSPF QEKMTAGDNPQLVPADQVNITE FYNKSLSSFKENEENIQCGENFMDIECFMV
<b>Sequence Similarities</b>	Belongs to the G-protein coupled receptor 1 family.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CNR1 cannabinoid receptor 1 (brain) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CNR1</a>
<b>Synonyms</b>	CNR1; cannabinoid receptor 1 (brain); CNR; cannabinoid receptor 1; CANN6; CB R; CB1; CB1A; CB1K5;
<b>Gene ID</b>	<a href="#">1268</a>
<b>mRNA Refseq</b>	<a href="#">NM_001160226</a>
<b>Protein Refseq</b>	<a href="#">NP_001153698</a>
<b>MIM</b>	<a href="#">114610</a>
<b>Uniprot ID</b>	<a href="#">P21554</a>

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<b>Chromosome Location</b>	6q14-q15
<b>Pathway</b>	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem;
<b>Function</b>	cannabinoid receptor activity; drug binding; receptor activity; signal transducer activity;

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