Recombinant Human CNR1

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	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.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Widely expressed.
Form	Liquid

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

GENE INFORMATION

Gene Name	CNR1 cannabinoid receptor 1 (brain) [Homo sapiens]
Official Symbol	CNR1
Synonyms	CNR1; cannabinoid receptor 1 (brain); CNR; cannabinoid receptor 1; CANN6; CB R; CB1; CB1A; CB1K5;
Gene ID	1268
mRNA Refseq	NM_001160226
Protein Refseq	NP_001153698
MIM	114610
Uniprot ID	P21554

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Chromosome Location	6q14-q15
Pathway	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;
Function	cannabinoid receptor activity; drug binding; receptor activity; signal transducer activity;

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