

Recombinant Full Length Human CNR1 Protein, GST-tagged

Cat. No. CNR1-1958HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CNR1 full-length ORF (NP_057167.2, 1 a.a. - 472 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	472 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. [provided by RefSeq, May 2009]
Molecular Mass	79.3 kDa
AA Sequence	MKSILDGLADTTTERTITTDLLYVGSNDIQYEDIKGDMSKLGYPQKFPLTSFRGSPF QEKMTAGDNPQLVPADQVNITEFYNKSLSSFKEENEIQCGENFMDIECFMVLNPS QQLAIAVLSTLTGFTVLENLLVLCVILHSRSLRCRPSYHFIGSLAVADLLGSVIFVYSFI DFHVFHRKDSRNVFLFKLGGVTASFTASVGSFLTAIDRYISIHRLPLAYKRIVTRPKAV

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VAFCLMWTIAIVIAVLPLLGNCEKLQSVCSDFPHIDETYLFWIGVTSVLLLFIVYAY
 MYILWKAHSHAVRMIQRGTQKSIIHTSEDGKVQVTRPDQARMDIRLAKTLVLILVLLI
 CWGPLLAIMVYDVFGKMNKLIKTVFAFCMLCLLNSTVNPIIYALRSKDLRHAFRSMF
 PSCEGTAQPLDNSMGDSCLHKHANNAASVHRAAESCISKSTVKIAKVTMSVSTDTS
 AEAL

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; central cannabinoid receptor; CB-R; CB1R

Gene ID
[1268](#)

mRNA Refseq
[NM_001160226](#)

Protein Refseq
[NP_001153698](#)

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MIM	114610
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UniProt ID	P21554
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