

Product Information

MemDX™ Membrane Protein Human CNR1 (Cannabinoid receptor 1) Full Length

Cat. No.: **MPC0067K**

This product is for research use only and is not intended for diagnostic use.

This product is a 52.8 kDa Human CNR1 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CNR1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

52.8 kDa

TMD

7

Sequence

MKSILDGLADTTFRTITTDLLYVGSNDIQYEDIKGDMSKLGYPQKFPL
TSFRGSPFQEKMTAGDNPQLVPADQVNITEFYNKSLSSFKENEENIQCGE
NFMDECFMVLNPSQQLAIAVLSTLTGTFTVLENLLVLCVILHSRSLRCR
PSYHFIGSLAVADLLGSVIFVYSFIDFHV FHRKDSRNVFLFKLGGV TASF
TASVGSFLTAIDRYISIHRLAYKRIVTRPKAVVAFCLMWTIAIVIAVL
PLLGWNCEKLQSVCSDFPHIDETYLFWIGVTSVLLLFIYAYMYILWK
AHSHAVRMIQRGTQKSIHITSEDGKVQVTRPDQARMDIRLAKTLVLILV
VLIICWGPLLAIMVYDVFGKMNKLIKTVFAFCSMCLLNSTVNPIIYALR
SKDLRHAFRSMFPSCEGTAQPLDNSMGDSCLHKHANNAASVHRAAESC
KSTVKIAKVTMSVSTDTSAEAL

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CNR1

Full Name

Cannabinoid receptor 1

Introduction

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.

Alternative Names

CB1; CNR; CB-R; CB1A; CB1R; CANN6; CB1K5; cannabinoid receptor 1 (brain); central cannabinoid receptor; CNR1; Cannabinoid receptor 1

Gene ID

[1268](#)

UniProt ID

[P21554](#)