

Product Information

MemDX™ Membrane Protein Human CNR2 (Cannabinoid receptor 2) Full Length

Cat. No.: **MPC0068K**

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

This product is a 39.6 kDa Human CNR2 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

CNR2

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

39.6 kDa

TMD

7

Sequence

MEECWVTEIANGSKDGLDSNPMKDYMILSGPQKTAVAVLCTLLGLLSALE
NVAVLYLILSSHQLRRKPSYLFISLAGADFLASVVFACSFVNFHVFHGV
DSKAVFLLKIGSVTMTFTASVGSLLLT AIDRYLCLRYPPSYKALLTRGRA
LVTLGIMWVLSALVSYLPLMGWTCCPRPCSELFPLIPNDYLLSWLLFI AF
LFSGIITYGHVLWKAHQHVASLSGHQDRQVPGMARMRLDVRLAKTLGLV
LAVLLICWFPVLALMAHSLATTLSDQVKKAFACSMCLINSMVNPVIYA
LRSGEIRSSAHHCLAHWKKCVRGLGSEAKEEAPRSSVTETeadgKITPWP
DSRDLSDLSDC

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

10xHis tag at N-terminal and Flag tag at C-terminal

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**

CNR2

Full Name

Cannabinoid receptor 2

Introduction

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.

Alternative Names

CB2; CX5; CB-2; cannabinoid receptor 2 (macrophage); CNR2; Cannabinoid receptor 2

Gene ID

[1269](#)

UniProt ID

[P34972](#)