

Product Information

MemDX™ Membrane Protein Human CNR2 (Cannabinoid receptor 2) without tag for

Antibody Discovery

Cat. No.: **MP0254X**

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

This product is a 39.7 kDa Human CNR2 membrane protein expressed in *in vitro* wheat germ 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

Molecular Weight

39.7 kDa

TMD

7

Sequence

MEECWVTEIANGSKDGLDSNPMKDYMLSGPQKTAVAVLCTLLGLLSALENVAVLYLILSSHQLRRKPSYLFIGSLAGADFLASVVFA

Product Description

Application

Antibody Production

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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; OTTHUMP00000015772; OTTHUMP00000044841

Gene ID

[1269](#)

UniProt ID

[P34972](#)