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Product Information

MemDX™ Membrane Protein Human CNR1 (Cannabinoid receptor 1) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX3600K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human CNR1 membrane protein expressed *in vitro E.coli* 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

TMD
7

Sequence
MKSILDGLADTTFRTITTDLLYVGSNDIQYEDIKGDMASKLGYFPQKFPLTSFRGSPFQEKMTAGDNPQLVPADQVNITEFYNKSLSS

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

1268

UniProt ID

P21554