SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

NativeExtract™ Human CNR2 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX466**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CNR2 protein in native nanodisc form. The synthetic compound we developed can solubilize the CNR2 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
CNR2

Protein Length
Full length

Molecular Weight
39.7 kDa

Sequence
Accession # P34972

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -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; CB-2; cannabinoid receptor 2 (macrophage); CNR2; Cannabinoid receptor 2

Gene ID

1269

UniProt ID

P34972

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