

Datasheet for ABIN7596617

## CNR2 Protein (DYKDDDDK Tag,Strep Tag)



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### Overview

Quantity:	10 µg
Target:	CNR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This CNR2 protein is labelled with DYKDDDDK Tag,Strep Tag.
Application:	Immunogen (Imm), ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

### Product Details

Purpose:	Human CB2-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	CNR2
Alternative Name:	CB2 ( <a href="#">CNR2 Products</a> )
Background:	<p>CB-2, CNR2, CX5</p> <p>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)</p>

## Target Details

	experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors.
Molecular Weight:	The human full length CB2-Strep protein has a MW of 39.7 kDa
UniProt:	<a href="#">P34972</a>

## Application Details

Comment:	<p>Advantages:</p> <ul style="list-style-type: none"><li>• Highly purified membrane proteins</li><li>• High solubility in aqueous solutions</li><li>• High stability</li><li>• Proteins are in a native membrane environment and remain biologically active</li><li>• No detergent and can be used for cell-based assays</li><li>• No MSP backbone proteins</li><li>• Mammalian cell expression system ensures post- translational modifications</li></ul>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).</p> <p>Lyophilized proteins are shipped at ambient temperature.</p>
Expiry Date:	12 months