Datasheet for ABIN7491063

CNR1 Protein (AA 1-118) (Fc Tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	CNR1
Protein Characteristics:	AA 1-118
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNR1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse CB1 protein with C-terminal human Fc tag
Specificity:	Mouse CB1 (Met1-Leu118) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CNR1
Alternative Name:	CB1 (CNR1 Products)
Background:	This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-

Target Details

	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. [provided by RefSeq, May 2009]
Molecular Weight:	predicted molecular mass of 39.4 kDa after removal of the signal peptide. The apparent molecular mass of mCB1-hFc is 40-55 kDa due to glycosylation.
UniProt:	P47746
Pathways:	Feeding Behaviour

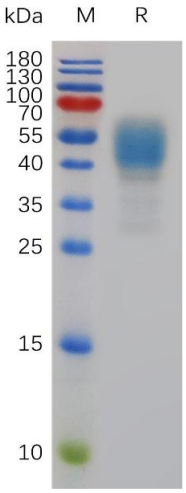
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Mouse CB1 Protein, hFc Tag on SDS-PAGE under reducing condition.