

Datasheet for ABIN2469007

**RCAN2 Protein (AA 2-197, Isoform 2) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.05 mg
Target:	RCAN2
Protein Characteristics:	Isoform 2, AA 2-197
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RCAN2 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Mass Spectrometry (MS), Neutralization (Neut)

## Product Details

Purity:	~95 %
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## Target Details

Target:	RCAN2
Alternative Name:	RCAN2 ( <a href="#">RCAN2 Products</a> )
Background:	Regulator of calcineurin 2 (RCAN2), also known as ZAK14 and DSCR1L1, is expressed as two isoforms differing at their N-terminus. The longer of the two (isoform 1) is expressed exclusively in the brain, while isoform 2 is ubiquitously expressed, with highest expression in brain, heart, and muscle (1,2). Both isoforms bind to the catalytic subunit of calcineurin, a Ca <sup>++</sup> -dependent protein phosphatase involved in several neuronal functions, though their C-terminal region and inhibit calcineurin s activity (3). Unlike isoform 1 of RCAN2, the expression of the

## Target Details

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second isoform is not induced by the thyroid hormone T3 (3). RCAN2 is a member of a family of three endogenous calcineurin regulators that are located near the minimal supernumerary fragment of chromosome 21 in individuals with Down syndrome, suggesting that they play a role in this syndrome (4).

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Molecular Weight: 26 kDa (Calculated)

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Gene ID: 53901

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OMIM: 38328420

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UniProt: [Q9JHG2](#)

## Application Details

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Application Notes: This recombinant protein can be used for WB, ELISA, MS and neutralization assays.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: 100 mM sodium phosphate, 10 mM Tris, 500 mM NaCl, 25 mM imidazole, 2 mM MgCl<sub>2</sub>, 10 % glycerol

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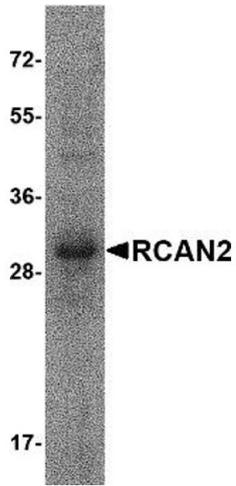
Handling Advice: Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

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Storage: -80 °C

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Storage Comment: Store in working aliquots at -70 °C.



### Western Blotting

Image 1.