

Recombinant Human RCAN1 cell lysate

Cat. No. RCAN1-510HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Three transcript variants encoding three different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	RCAN1 regulator of calcineurin 1 [Homo sapiens]
Official Symbol	RCAN1
Synonyms	RCAN1; regulator of calcineurin 1; Down syndrome critical region gene 1 , DSCR1;

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	calcipressin-1; near DSCR proline-rich protein; Down syndrome candidate region 1; calcium and oxidant-inducible mRNA; Down syndrome critical region gene 1; down syndrome critical region protein 1; modulatory calcineurin-interacting protein 1; myocyte-enriched calcineurin-interacting protein 1; CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78;
Gene ID	1827
mRNA Refseq	NM_004414
Protein Refseq	NP_004405
MIM	602917
UniProt ID	P53805
Chromosome Location	21q22.1-q22.2
Pathway	Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Role of Calcineurin-dependent NFAT signaling in lymphocytes, organism-specific biosystem;
Function	DNA binding; protein binding; sequence-specific DNA binding transcription factor activity;