9051 Mira Mesa Blvd, #910094
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RCAN1 Human

Regulator of Calcineurin 1 Human Recombinant
RCP1831

Product Overview

Name	RCAN1 Human
Description	
Regulator of Calcineurin 1 Human Recombinant	
Accession (Primary)	P53805
Synonyms	
Calcipressin-1, Regulator of calcineurin 1, Down syndrome critical region protein 1, Myocyte-enriched calcineurin-interacting protein 1, MCIP1, Adapt78, RCAN1, ADAPT78, CSP1, DSC1, DSCR1, RCN1.	
Introduction	
RCAN1 encoded by a gene located in the human chromosome 21, interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. RCAN1 is located in the minimal candidate region for the Down syndrome phenotype, and is over expressed in the brain of Down syndrome fetuses. Chronic over expression 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. DSCR1 Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A, possibly affecting central nervous system development.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The protein solution (1mg/ml) contains 20mM Tris-HCl pH-7.5, 100mM NaCl and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKLYFAQTLH IGSSHLAPPN PDKQFLISPP ASPPVGWKQV EDATPVINYD LLYAISKLGPGEKYELHAAT	

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DTTPSVVVHV CESDQEKEEE EEMERMRRPK PKIIQTRRPE YTPIHLS.

Precautions

RCAN1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P53805)