9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RCAN3 Human

Regulator of Calcineurin 3 Human Recombinant
RCP1833

Product Overview

Name	RCAN3 Human
Description	
Regulator of Calcineurin 3 Human Recombinant	
Accession (Primary)	Q9UKA8
Synonyms	
DSCR1L2, hRCN3, MCIP3, RCN3, Calcipressin-3, Down syndrome candidate region 1-like protein 2, Myocyte-enriched calcineurin-interacting protein 3, Regulator of calcineurin 3.	
Introduction	
Calcipressin-3 (RCAN3) takes part in central nervous system development. RCAN3 inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Overexpression of calcipressin-3 results in inhibition of calcineurin activity towards the nuclear factor of activated T-cells (NFAT) transcription factors and also downregulates NFAT-dependent cytokine gene expression in activated Jurkat T-cells. Highest expression takes place s in heart, skeletal muscle kidney, liver and peripheral blood leukocytes.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The RCAN3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M NaCl.	
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% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS EAVFEAR EQKERFEALF TIYDDQVTFQ LFKSFRRVRI NFSKPEAAAR ARIELHETDF NGQKLKLYFA QVQMSGEVRD KSYLLPPQPV KQFLISPPAS PPVGWKQSED AMPVINYDLL CAVSKLGPGE KYELHAGTES TPSVVVHVCE SETEEEEETK NPKQKIAQTR RPDPPTAALN EPQTFDCAL.	

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Precautions

RCAN3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UKA8)