

Recombinant Human RCAN family member 3, His-tagged

Cat. No. RCAN3-372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RCAN3, 56-241aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	56-241 a.a.
Description	Calcipressin-3, also known as RCAN3, is a 241 amino acid protein that potentially is involved 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 occurs in heart, skeletal muscle kidney, liver and peripheral blood leukocytes. Recombinant human RCAN3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M NaCl
Molecular Mass	23.5 kDa (209aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEAVFEAR EQKERFEALF TIYDDQVTFQ LFKSFRRVRI NFSKPEAAAR ARIELHETDF NGQKLKLYFA QVQMSGEVRD

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KSYLLPPQPV KQFLISPPAS PPVGWKQSED AMPVINYDLL CAVSKLGPGE
KYELHAGTES TPSVVHVCE SETEEEEETK NPKQKIAQTR RPDPTAALN
EPQTFDCAL

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RCAN3](#) [RCAN family member 3 \[Homo sapiens \]](#)

Official Symbol RCAN3

Synonyms RCAN3; RCAN family member 3; Down syndrome critical region gene 1 like 2 , DSCR1L2; calcipressin-3; regulator of calcineurin 3; Down syndrome candidate region 1-like 2; Down syndrome critical region gene 1-like 2; down syndrome candidate region 1-like protein 2; myocyte-enriched calcineurin-interacting protein 3; RCN3; MCIP3; hRCN3; DSCR1L2;

Gene ID [11123](#)

mRNA Refseq [NM_001251977](#)

Protein Refseq [NP_001238906](#)

MIM [605860](#)

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UniProt ID	Q9UKA8
Chromosome Location	1p35.3-p33
Function	RNA binding; nucleotide binding; troponin I binding;

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