

## AR50635PU-N

## Human Calcipressin-3 (56-241, His-tag) - Purified

### Alternate names:

DSCR1L2, Down syndrome candidate region 1-like protein 2, Myocyte-enriched calcineurin-interacting protein 3, RCAN3, Regulator of calcineurin 3

### Quantity:

0.25 mg

### Concentration:

0.5 mg/ml (determined by Bradford assay)

### Background:

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.

### Uniprot ID:

[Q9UKA8](#)

### NCBI:

[NP\\_038469](#)

### GenelD:

[11123](#)

### Species:

Human

### Source:

E. coli

### Format:

**State:** Liquid purified protein

**Purity:** >90% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M NaCl

### Description:

Recombinant human RCAN3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

#### AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSEAVFEAR EQKERFEALF TIYDDQVTFQ LFKSFRRVRI  
NFSKPEAAAR ARIELHETDF NGQKLKLYFA QVQMSGEVRD KSYLLPPQPV KQFLISPPAS  
PPVGWKQSED AMPVINYDLL CAVSKLGPGE KYELHAGTES TPSVVHVCE SETEEEEETK  
NPKQKIAQTR RPDPTAALN EPQTFDCAL

**Molecular weight:** 23.5 kDa (209aa)

### Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

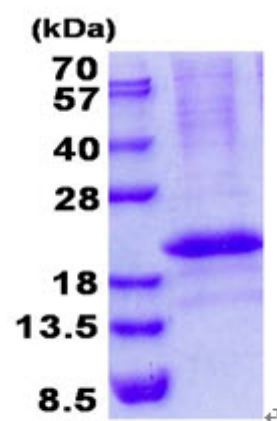
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

### General Readings:

Strippoli P., et al. (2000) Genomics. 64:252-263. Abbasi S., et al. (2006) J Biol Chem. 281:7717-7726.

Pictures:



15% SDS-PAGE (3ug)