

**RCAN2, 1-197aa, Human, His tag, E.coli**

**Cat.NO.: TP03700**

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3th Edition

**Synonyms:** Calcipressin-2, CSP2, DSCR1L1, hRCN2, MCIP2, RCN2, ZAKI-4, ZAKI4.

**Description:** Calcipressin-2, also known as RCAN2, belonging to the RCAN (Regulator of calcineurin) family modulate the activity of Calcineurin through a valine-rich region within their carboxyl tail. RCANs compete with NFAT(nuclear factor of activated T-cells) for binding to the same docking site in calcineurin, which results in either inhibition or activation of calcineurin activity.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.2M NaCl

**Molecular Weight:** 24.1 kDa (217aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMPAPSMDCDVSTLVACVVDVEVFTNQEVKEKFEGFLFRTYDDCVTFQLFKSFRRV  
RINFSNPKSAARARIELHETQFRGKKLKYFAQVQTPETDGDHLAPPQPAKQFLISPPSSPPVGVWQPINDATPVL  
NYDLLYAVAKLGPGEKYELHAGTESTPSVVHVCDSDIEEEEDPKTSPKPKIIQTRRPGLPPSVSN

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

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