

RCAN3, 56-241aa, Human, His tag, E.coli

Cat.NO.: TP03701

3th Edition

Synonyms: Calcipressin-3, DSCR1L2, hRCN3, MCIP3, RCN3

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.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M NaCl

Molecular Weight: 23.5 kDa (209aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSEAVFEAREQKERFEALFTIYDDQVTFQLFKSFRRVRIINFSKPEAAARARIELH
ETDFNGQKLKLYFAQVQMSGEVRDKSYLLPPQPVKQFLISPPASPPVGWKQSEDAMPVINYDLLCAVSKLGPGEK
YELHAGTESTPSVVVHVCESETEEEEEETKNPKQKIAQTRRPDPPTAALNEPQTFDCAL

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.