

Recombinant Human Regulator Of Calcineurin 2, His-tagged

Cat. No. Rcan2-1562M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rcan2 was expressed in <i>E. Coli</i> using an N-terminal His tag. MW= 15 kDa.
Species	Human
Source	E.coli
Description	Regulator of calcineurin 2 (RCAN2), also known as ZAKI4 and DSCR1L1, is expressed as two isoforms differing at their N-terminus. The longer of the two (isoform 1) is expressed exclusively in the brain, while isoform 2 is ubiquitously expressed, with highest expression in brain, heart, and muscle. Both isoforms bind to the catalytic subunit of calcineurin, a Ca ⁺⁺ -dependent protein phosphatase involved in several neuronal functions, though their C-terminal region and inhibit calcineurin activity. Unlike isoform 1 of RCAN2, the expression of the second isoform is not induced by the thyroid hormone T3.
Sequence	2-197.
Purity	~95%.
Specific Activity	n/a.
Applications	E, WB, MS.
Buffer	1X PBS containing 0.1% SDS and 0.02% NaN ₃

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Storage Store at -70°C. As with any protein, exposing Rcan2 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

SDS-PAGE SDS-PAGE analysis of recombinant RCAN2 on Coomassie Blue-stained 12% SDS-PAGE gel.

GENE INFORMATION

Gene Name Rcan2 regulator of calcineurin 2 [*Mus musculus*]

Synonyms Rcan2; regulator of calcineurin 2; Csp2; MCIP2; ZAKI-4; Dscr1l1; Down syndrome critical region gene 1-like 1; myocyte-enriched calcineurin interactin protein 2

Gene ID 53901

mRNA Refseq NM_030598

Protein Refseq NP_085101

UniProt ID Q9JHG2

Chromosome Location 17 C; 17 22.0 cM

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