

Recombinant Human RCAN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RCAN1-3958H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RCAN1 MS Standard C13 and N15-labeled recombinant protein (NP_004405) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Alternative splicing results in multiple transcript variants.
Molecular Mass	27.9 kDa
AA Sequence	MEDGVAGPQLGAAAEAAEAAEARARPGVTLRPFAPLSGAAEADEGGGDWSFIDCE MEEVDLQDLPSATIACHLDPRVFVDGLCRAKFESLFRTYDKDITFQYFKSFKRVRINF SNPFSAADARLQLHKTEFLGKEMKLYFAQTLHIGSSHLAPPNPDQFLISPPASPPV GWKQVEDATPVINYDLLYAISKLGPGKEYELHAATDTTPSVVVHVCESDQEKEEEEE MERMRRPKPKIIQTRRPEYTPIHLSRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

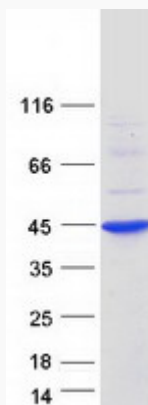
GENE INFORMATION

Gene Name	RCAN1 regulator of calcineurin 1 [Homo sapiens (human)]
Official Symbol	RCAN1
Synonyms	RCAN1; regulator of calcineurin 1; Down syndrome critical region gene 1, DSCR1; calpressin-1; near DSCR proline-rich protein; Down syndrome candidate region 1; calcium and oxidant-inducible mRNA; Down syndrome critical region gene 1; down syndrome critical region protein 1; modulatory calcineurin-interacting protein 1; myocyte-enriched calcineurin-interacting protein 1; CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78;
Gene ID	1827
mRNA Refseq	NM_004414
Protein Refseq	NP_004405
MIM	602917
UniProt ID	P53805

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SDS-PAGE

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