

## Product datasheet for PH320434

### Calcipressin 1 (RCAN1) (NM\_004414) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RCAN1 MS Standard C13 and N15-labeled recombinant protein (NP_004405)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220434
Predicted MW:	27.9 kDa
Protein Sequence:	>RC220434 representing NM_004414 Red=Cloning site Green=Tags(s)  MEDGVAGPQLGAAAEAAEAAEARARPGVTLRPFAPLSGAAEADEGGDWSFIDCEMEEVDLQDLPSATIA CHLDPRVFDGLCRAKFESLFRITYDKDITFYFKSFKRVRINFSNPFSAADARLQLHKTEFLGKEMKLYF AQTLHIGSSHLAPPNDKQFLISPPASPPVGWKQVEDATPVINYDLLYAI SKLGPGEKYELHAATDTTPS VVVHVCESDQEKEEEEEEMERMRRPKPKIIQTRRPEYTPIHLS  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004405</a>
RefSeq Size:	2457
RefSeq ORF:	756
Synonyms:	ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1
Locus ID:	1827
UniProt ID:	<a href="#">P53805</a>



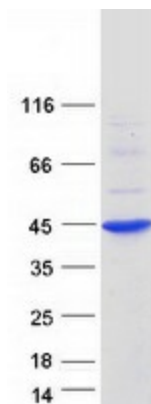
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**Cytogenetics:** 21q22.12

**Summary:** 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. [provided by RefSeq, Nov 2013]

**Protein Families:** Transcription Factors

**Product images:**



Coomassie blue staining of purified RCAN1 protein (Cat# [TP320434]). The protein was produced from HEK293T cells transfected with RCAN1 cDNA clone (Cat# [RC220434]) using MegaTran 2.0 (Cat# [TT210002]).