

## Product datasheet for **TP320434**

### Calcipressin 1 (RCAN1) (NM\_004414) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human regulator of calcineurin 1 (RCAN1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220434 representing NM_004414 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEDGVAGPQLGAAAEAAEAEARARPGVTLRPFAPLSGAAEADEGGDWSFIDCEMEEVDLQDLPSATIA  
 CHLDPRVFDGLCRAKESLFRITYDKDITFQYFKSFKRVRINFSNPFAADARLQLHKTEFLGKEMKLYF  
 AQTLHIGSSHLAPPNPKQFLISPPASPPVGWKQVEDATPVINYDLLYAIKLGPGEKYELHAATDTTPS  
 VVHVCESDQEKEEEEEEMERMRRPKPKIIQTRRPEYTPIHLS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	27.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004405</a>
Locus ID:	1827
UniProt ID:	<a href="#">P53805</a>



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RefSeq Size: 2457

Cytogenetics: 21q22.12

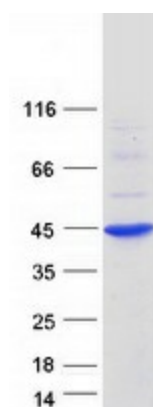
RefSeq ORF: 756

Synonyms: ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1

**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]).