Recombinant Human RCAN1 Protein, HIS-tagged

Cat. No. RCAN1-088H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RCAN1, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	13.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	RCAN1 regulator of calcineurin 1 [Homo sapiens]
Official Symbol	RCAN1
Synonyms	RCAN1; regulator of calcineurin 1; Down syndrome critical region gene 1 , DSCR1; calcipressin-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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