

Recombinant Full Length Human RCAN1 Protein, GST-tagged

Cat. No. RCAN1-4708HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DSCR1 full-length ORF (AAH02864, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	197 amino acids
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. [provided by RefSeq, Nov 2013]
Molecular Mass	47.41 kDa
AA Sequence	MEEVDLRDLPSATIACHLDPRVFVDGLCRAKFESLFRTYDKDITFQYFKSFKRVRINF SNPFSAADARLQLHKTEFLGKEMKLYFAQTLHIGSSHLAPPNPDQKFLISPPASPPV GWKQVEDATPVINYDLLYAISKLGPGKEYELHAATDTTPSVVVHVCESDQEKEEEEE MERMRPKPKIIQTRRPEYTIHLS
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
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; calciopressin-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

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UniProt ID

P53805

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