

Recombinant Human RCAN2, His-tagged

Cat. No. RCAN2-28376TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DSCR1L1 with an N terminal His tag; 217 amino acids with tag; Predicted MWt 24.1 kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	197 amino acids
Description	This gene encodes a member of the regulator of calcineurin (RCAN) protein family. These proteins play a role in many physiological processes by binding to the catalytic domain of calcineurin A, inhibiting calcineurin-mediated nuclear translocation of the transcription factor NFATC1. Expression of this gene in skin fibroblasts is upregulated by thyroid hormone, and the encoded protein may also play a role in endothelial cell function and angiogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Conjugation	HIS
Molecular Weight	24.100kDa inclusive of tags
Tissue specificity	Expressed in fibroblasts, heart, brain, liver, and skeletal muscle but not in placenta, lung, kidney and pancreas.
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 20% Glycerol, 0.02% DTT, 0.32% Tris HCl, 1.17% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MPAPSMDCDV STLVACVVDV EVFTNQEVKE KFEGLFRTYD DCVTFQLFKS FRRVRINFSN PKSAARARIE LHETQFRGKK LKLYFAQVQT PETDGDKLHL APPQPAKQFL ISPPSSPPVG WQPINDATPV LNYDLLYAVA KLGPGEKYEL HAGTESTPSV VVHVCDSDIE EEEDPKTSPK PKIIQTRRPG LPPSVSN
Sequence Similarities	Belongs to the RCAN family.

GENE INFORMATION

Gene Name	RCAN2 regulator of calcineurin 2 [Homo sapiens]
Official Symbol	RCAN2
Synonyms	RCAN2; regulator of calcineurin 2; Down syndrome critical region gene 1 like 1 , DSCR1L1; calciressin-2; ZAKI 4;
Gene ID	10231
mRNA Refseq	NM_005822
Protein Refseq	NP_005813

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MIM	604876
Uniprot ID	Q14206
Chromosome Location	6p12.3
Pathway	Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem; Role of Calcineurin-dependent NFAT signaling in lymphocytes, organism-specific biosystem;
Function	nucleotide binding; protein phosphatase 2B binding;

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