

Human Calcipressin 1 (RCAN1) ELISA Kit | RCAN1 elisa kit

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CATALOG #
AAA246970

REACTIVITY
Human

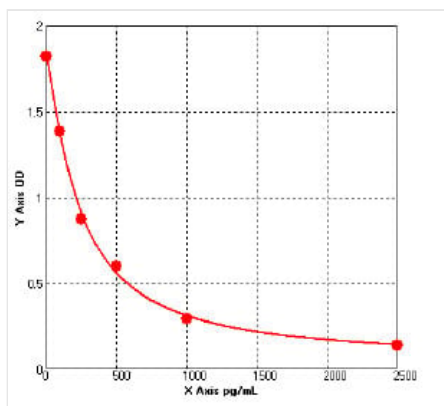
PRODUCT SYNONYMS

Calcipressin 1 (RCAN1); Human Calcipressin 1 (RCAN1) ELISA Kit; RCAN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RCAN1. No significant cross-reactivity or interference between RCAN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RCAN1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RCAN1 elisa kit	Intended Uses: This RCAN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RCAN1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: RCAN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RCAN1 antibody and an RCAN1-HRP conjugate. The assay sample and buffer are incubated together with RCAN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RCAN1 concentration since RCAN1 from samples and RCAN1-HRP conjugate compete for the anti-RCAN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by RCAN1 from the sample, fewer sites are left to bind RCAN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RCAN1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for RCAN1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	557786111
NCBI GeneID	1827
NCBI Accession #	NP_001272320.2
NCBI GenBank Nucleotide #	NM_001285391.2
Molecular Weight	13,291 Da
NCBI Official Full Name	calcipressin-1 isoform e
NCBI Official Synonym Full Names	regulator of calcineurin 1
NCBI Official Symbol	RCAN1
NCBI Official Synonym Symbols	CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78
NCBI Protein Information	calcipressin-1; near DSCR proline-rich protein; Down syndrome candidate region 1; calcium and oxidant-inducible mRNA; Down syndrome critical region gene 1; modulatory calcineurin-interacting protein 1; myocyte-enriched calcineurin-interacting protein 1
UniProt Protein Name	Calcipressin-1
UniProt Gene Name	RCAN1
UniProt Synonym Gene Names	ADAPT78; CSP1; DSC1; DSCR1; MCIP1
UniProt Entry Name	RCAN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.