

Human Secretagogin (SCGN) ELISA Kit | SCGN elisa kit

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CATALOG #
AAA330945

REACTIVITY
Human

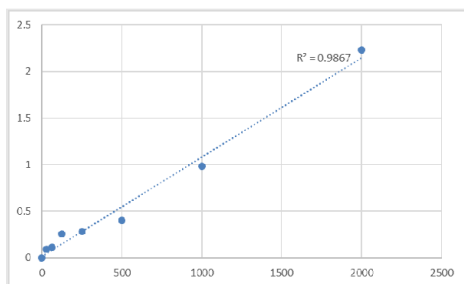
PRODUCT SYNONYMS

Secretagogin (SCGN); Human Secretagogin (SCGN) ELISA Kit; SCGN; CALBL; DJ501N12.8; SECRET; SEGN; setagin; calbindin-like; secretagogin; SCGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Secretagogin (SCGN) ELISA Kit has high sensitivity and excellent specificity for detection of Human SCGN. No significant cross-reactivity or interference between Human SCGN and analogues was observed.
Sequence Length	276
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Secretagogin (SCGN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SCGN elisa kit	Description: This Human Secretagogin (SCGN) ELISA Kit employs a two-site sandwich ELISA to quantitate SCGN in samples. An antibody specific for SCGN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SCGN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCGN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SCGN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SCGN contains 6 tandem repeats of the EF-hand Ca(2+)-binding domain, with a loop at all 6 putative Ca(2+)-binding sites, and shares significant similarity with calbindin and calretinin. Much lower expression of only the smaller transcript was detected in adrenal medulla, stomach, thyroid, colon, and small intestine. Immunohistochemical analysis showed SCGN expression restricted to the islet of Langerhans in pancreas, in C cells near thyroid follicles, and at sites typically occupied by neuroendocrine cells in all other tissues examined. Cell fractionation and confocal imaging of transfected rat insulinoma cells detected Scgn predominantly in the cytosolic fraction, with much less Scgn in nuclei. SCGN was expressed in a reticular pattern in transfected COS cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15055537
NCBI GeneID	10590
NCBI Accession #	NP_008929.2
NCBI GenBank Nucleotide #	NP_008929.2
UniProt Accession #	O76038
NCBI Official Full Name	secretagogin
NCBI Official Synonym Full Names	secretagogin, EF-hand calcium binding protein
NCBI Official Symbol	SCGN
NCBI Official Synonym Symbols	SEGN; CALBL; SECRET; setagin; DJ501N12.8
NCBI Protein Information	secretagogin
UniProt Protein Name	Secretagogin
UniProt Gene Name	SCGN
UniProt Synonym Gene Names	SECRET
UniProt Entry Name	SEGN_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.