Datasheet for ABIN7317381

SCGN Protein (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	SCGN
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCGN protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SCGN/Secretagogin Protein (E.coli, His Tag)
Sequence:	Asp 2-Pro 276
Characteristics:	A DNA sequence encoding the human SCGN (NP_008929.2) (Asp 2-Pro 276) was expressed, with a polyhistide tag at the N-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.

Target Details

Target:	SCGN
Alternative Name:	SCGN/Secreogin (SCGN Products)
Background:	Background: Secretagogin, also known as SCGN, is a secreted protein which is detectable in human serum after ischemic neuronal damage. It is a recently described calcium-binding protein. Secretagogin / SCGN is expressed at high levels in the pancreatic islets of Langerhans and to a much lesser extent in the gastrointestinal tract (stomach, small intestine and colon),

Copyright antibodies-online. All rights reserved.

Target Details

	the adrenal medulla and cortex and the thyroid C-cells. In the brain, the expression of Secretagogin / SCGN is restricted to distinct subtypes of neurons with highest expression in the molecular layer of the cerebellum (stellate and basket cells), in the anterior part of the pituitary gland, in the thalamus, in the hypothalamus and in a subgroup of neocortical neurons. Secretagogin / SCGN is widely expressed in prostatic adenocarcinoma as opposed to adenocarcinomas in other organs. The function of Secretagogin / SCGN is unknown, but it has been suggested in beta-cells to influence calcium-influx and has been observed downregulated in diabetes-prone BB rat islets exposed to cytokines. Secretagogin / SCGN is involved in the calcium metabolism of tumour cells and endothelial cells in a subset of neoplasms of the brain and its coverings. Secretagogin / SCGN is also a novel marker for neuroendocrine differentiation. Synonym: Secretagogin, SCGN, SECRET,CALBL,DJ501N12.8,setagin
Molecular Weight:	33.4 kDa
NCBI Accession:	NP_008929

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.