

Recombinant Human SCGN / Secretagogin Protein (His tag)

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3th Edition

Synonyms:CALBL;DJ501N12.8;SECRET;SEGN;setagin

Description: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), 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.

Form:PBS

Molecular Weight:33.4 kDa

Sequences:Asp 2-Pro 276

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.