

## SCGN Rat

**Description:** Secretagoin Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 286 amino acids and having a molecular mass of 33.3 kDa. The Rat SCGN is fused to a 10 a.a. His tag at N-Terminus. The proteins amino acids sequence is identical to UniProtKB/Swiss-Prot entry Q6R556. The Rat SCGN is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-664

For research use only.

**Synonyms:** SCGN, EF-hand calcium binding protein, Setagin, SEGN, CALBL, Secretagoin.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** MKHHHHHHAS MDNAHRQTQA HLDAACFWQI WQRFDKDEKG  
YIKETELDAF FDDLAKFGI EDLMEENVQ KMKEQLMVGH DISKEGRILM KELASMFLSE  
DENLLFFRL ETPLDNSVEF MQIWRKYDAD SSGFISAAEL SNFLRDLFLH HKKVISEAE  
EEYTSTMMKI FDRNKDGRLD LNDLARILAL QENFLLQFKM DASSTEERKR DFEKIFAHYD  
VSKTGALEGP EV

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The sterile filtered concentrated protein solution was lyophilized with 20mM Tris & 50mM NaCl pH-7.5.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

SCGN is a secreted calcium-binding protein which is found in the cytoplasm. It is related to calbindin D-28K and calretinin. Secretagoin is involved in KCL-stimulated calcium flux and cell proliferation. Secretagoin plays a role in human non-functional pituitary adenomas.

### Storage:

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.

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