

# Recombinant Human Secretagogin/SCGN Protein

Catalog No.: RP02166 Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 10590 076038

## **Tags**

C-His

#### **Synonyms**

CALBL; DJ501N12.8; SECRET; SEGN; setagin; SCGN; DJ501N12.8; SECRET; SEGN; setagin

# **Product Information**

Source Purification
HEK293 cells ≥ 95 % as
determined by S

determined by SDS-PAGE.

FAGI

# Calculated MW Observed MW

33.08 kDa 32 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

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# **Background**

Secretagogin (SCGN) is a secreted calcium-binding protein that is found in the cytoplasm; a small proportion is associated with secretory granules and membrane fractions. SCGN contains six EF-hand domains, related to calbindin D-28K and calretinin. SCGN is thought to be involved in KCL-stimulated calcium flux and cell proliferation SCGN can be detected in human serum after ischemic neuronal damage. SCGN may function to negatively control growth and differentiation rates and, thus, indirectly inhibit cell replication.

### **Basic Information**

#### **Description**

Recombinant Human Secretagogin/SCGN Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Met1-Pro276) of human SCGN (Accession #076038) fused with a 6xHis tag at the C- terminus.

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

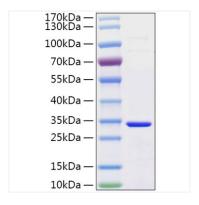
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human Secretagogin/SCGN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.