

Recombinant Human SCGN, His-tagged

Cat. No. SCGN-3740H Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 286 AA. MW: 33.3 kDa (calculated). N-terminal His-tag, 10exrea AA (highlighted). The AA sequence is identical to UniProtKB/Swiss-Prot entry O76038.
Species	Human
Source	E.coli
Description	Secretagogin is a protein that in humans is encoded by the SCGN gene. The encoded protein is a secreted calcium-binding protein which is found in the cytoplasm. It is related to calbindin D-28K and calretinin. This protein is thought to be involved in KCL-s stimulated calcium flux and cell proliferation.
Form	Filtered (0.4 μm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5.
Research topic	Diabetology ?C Autoimmunity; Neural tissue damage markers; Oncology; Pancreatic regulatory molecules
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the

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protein

Sequences of amino acids

MKHHHHHHAS MDSSREPTLG RLDAAGFWQV WRRFDADEKG YIEEKELDAF
 FLHMLMKLGT DDTVMKANLH KVKQQFMTTQ DASKDGRIRM KELAGMFLSE
 DENFLLLFRR ENPLDSSVEF MQIWRKYDAD SSGFISAAEL RNFLRDLFLH
 HKKAISEAKL EEYTGTMKI FDRNKDGRLD LNDLARILAL QENFLLQFKM
 DACSTEERKR DFEKIFAYYD VSKTGALEGP EVDGFVKDMM ELVQPSISGV
 DLDKFREILL RHCDVNKDGGK IQKSELALCL GLKINP

Storage

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name SCGN secretagoin, EF-hand calcium binding protein [Homo sapiens]

Official Symbol SCGN

Synonyms SCGN; secretagoin, EF-hand calcium binding protein; SEGN; CALBL; SECRET; setagin; DJ501N12.8; secretagoin; OTTHUMP00000016124

Gene ID 10590

mRNA Refseq NM_006998

Protein Refseq NP_008929

MIM 609202

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UniProt ID	O76038
Chromosome Location	6p22.3-p22.1
Function	calcium ion binding

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