

AR09660PU-N

Human Secretagoin (SCGN) (1-276, His-tag) - Purified

Alternate names:

CALBL, EF-hand calcium binding protein, SECRET, SEGN, Setagin

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

SCGN, also known as secretagoin, is a cytoplasmic protein that contains six EF-hand domains and is related to the calcium-binding proteins Calretinin and Calbindin D28K. This protein is thought to be involved in cell proliferation and KCl (potassium chloride)-mediated calcium flux events. Through its interaction with KCl and its subsequent ability to modulate calcium storage pools within the cell, SCGN may function to negatively control growth and differentiation rates and, thus, indirectly inhibit cell replication.

Uniprot ID:

[076038](#)

NCBI:

[NP_008929](#)

GeneID:

[10590](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS-PAGE

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol, 1mM DTT, 0.1M NaCl

Description:

Recombinant SCGN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MDSSREPTLG RLDAAGFWQV WQRFDADEKG YIEEKELDAF
FLHMLMKLGT DDTVMKANLH KVKQQFMTTQ DASKDGRIRM KELAGMFLSE DENFLLLFRR
ENPLDSSVEF MQIWRKYDAD SSGFISAAEL RNFLRDLFLH HKKAISEAKL EETGTMMKI
FDRNKDGRLD LNDLARILAL QENFLQFKM DACSTEERKR DFEKIFAYYD VSKTGALEGP
EVDGFVKDMM ELVQPSISGV DLDKFREILL RHCDVNKD GK IQKSELALCL GLKINP

Molecular weight: 34.2 kDa (296aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Wagner L., et al. (2000) J Biol Chem. 275(32):24740-51.
2. Gartner W., et al. (2001) Cereb Cortex. 11(12):1161-9.

Pictures:

Recombinant human SCGN, 1-276 aa, His-tagged

