
Product Data Sheet

Product Name: SCGN Rat
 Cat. No.: GP24502
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	SCGN; EF-hand calcium binding protein; Setagin; SEGN; CALBL; Secretagodin.		
Amino Acid Sequence	MKHHHHHHAS MDNAHRQTQA HLDAACFWQI WQRFDKDEKG YIKETELDAF FDDLAKFGI EDTLMEENVQ KMKEQLMVGH DISKEGRILM KELASMFLSE DENLFFRL ETPLDNSVEF MQIWRKYDAD SSGFISAAEL SNFLRDLFLH HKKWISEAEL EYTSTMMKI FDRNKDGRDL LNDLARILAL QENFLLQFKM DASSTEERKR DFEKIFAHYD VSKTGALEGP EVDGFVKDMM ELVQPSISGV DLDKFREILL RHCDVNKDGK IQKSELALCLGLKINP.		
Solubility	Add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.		
Formulation	The sterile filtered concentrated protein solution was lyophilized with 20mM Tris & 50mM NaCl pH-7.5.		

Introduction

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

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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 protein's amino acids sequence is identical to UniProtKB/Swiss-Prot entry Q6R556. The Rat SCGN is purified by proprietary chromatographic techniques.

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