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## Product Data Sheet

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Product Name: SCGN Human  
 Cat. No.: GP24501  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SCGN; EF-hand calcium binding protein; Setagin; SEGN; CALBL; SECRET; DJ501N12.8; Secretagoin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MDSSREPTLG RLDAAGFWQV WQRFDADEKG YIEEKELDAF FLHMLMKLGT DDTVMKANLH KVKQQFMTTQ DASKDGRIRM KELAGMFLSE DENFLLLFR ENPLDSSVEF MQIWRKYDAD SSGFISAAEL RNFLRDLFLH HKKAISEAKL EETGTMMKI FDRNKDGRDL LNDLARILAL QENFLLQFKM DACSTEERKR DFEKIFAYYD VSKTGALEGP EVDGFVKDMM ELVQPSISGV DLDKFREILL RHCDVNKDGK IQKSELALCL GLKINP.		
Formulation	SCGN His-Tag (1mg/ml) protein is supplied in 20mM Tris HCl pH-8, 1mM DTT, 0.1M NaCl and 10% glycerol.		

### 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.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Background

SCGN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (1-276 a.a.) and having a molecular mass of 34.2kDa. SCGN is fused to a 20 amino acid His tag at N-terminus and purified by standard

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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chromatography techniques.

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