



Product Datasheet

Product Name	Secretagoin Human Recombinant
Cata No	CB501456
Source	<i>Escherichia Coli.</i>
Synonyms	SCGN, EF-hand calcium binding protein, Setagin, SEGN, CALBL, SECRET, DJ501N12.8, Secretagoin.

Description

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.

Secretagoin 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 Human SCGN is fused to His tag at N-Terminus.

The protein's amino acids sequence is identical to UniProtKB/Swiss-Prot entry O76038.

The Human SCGN is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 95% as determined by SDS-PAGE.

Formulation

The sterile filtered concentrated (0.5mg/ml) protein solution was lyophilized with 20mM Tris & 20mM

NaCl pH-7.5.

Reconstitution

Add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.

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.

Sequence

M 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 RHCDVNKDGK
IQKSELALCLGLKINP