



Product Datasheet

Product Name	Secretagoin Rat Recombinant
Cata No	CB501513
Source	<i>Escherichia Coli.</i>
Synonyms	SCGN, EF-hand calcium binding protein, Setagin, SEGN, CALBL, 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 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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 95% as determined by SDS-PAGE.

Formulation

The sterile filtered concentrated protein solution was lyophilized with 20mM Tris & 50mM NaCl pH-7.5.

Reconstitution

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

Sequence

MKHHHHHHAS MDNAHRQTQA HLDAACFWQI
WQRFDKDEKG YIKETELDAF FDDLAKFGI
EDTLMEENVQ KMKEQLMVGH DISKEGRILM
KELASMFLSE DENFLLFFRL ETPLDNSVEF
MQIWRKYDAD SSGFISAAEL SNFLRDLFLH
HKKVISEAEL EEYTSTMMKI FDRNKDGRLD
LNDLARILAL QENFLLQFKM DASSTEERKR
DFEKIFAHYD VSKTGALEGP EVDGFVKDMM
ELVQPSISGV DLDKFREILL RHCDVNKDGK
IQKSELALCLGLKINP