

Recombinant Rat Secretagogin, EF-Hand Calcium Binding Protein, His-tagged

Cat. No. Scgn-4580R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Secretagogin 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.
Species	Rat
Source	Rat
Description	SCGN is a secreted calcium-binding protein which is found in the cytoplasm. It is related to calbindin D-28K and calretinin. Secretagogin is involved in KCL-stimulated calcium flux and cell proliferation. Secretagogin plays a role in human non-functional pituitary adenomas.
Form	The sterile filtered concentrated protein solution was lyophilized with 20mM Tris & 50mM NaCl pH-7.5.
Purity	Greater than 95% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Amino acid sequence	MKHHHHHHAS MDNAHRQTQA HLDAACFWQI WQRFDKDEKG YIKETELDAF FDDLLAKFGI EDTLMEENVQ KMKEQLMVGH DISKEGRILM KELASMFLSE

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DENFLLFFRL ETPLDNSVEF MQIWRKYDAD SSGFISAAEL SNFLRDLFLH
HKKVISEAEL EETSTMMKI FDRNKDGRD LNDLARILAL QENFLQFKM
DASSTEERKR DFEKIFAHYD VSKTGALEGP EVDGFVKDMM ELVQPSISGV
DLDKFREILL RHCDVNKDGK IQKSELALCLGLKINP.

Storage 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.

GENE INFORMATION

Gene Name Scgn secretagodin, EF-hand calcium binding protein [*Rattus norvegicus*]

Official Symbol Scgn

Synonyms Scgn; secretagodin; secretagodin, EF-hand calcium binding protein

Gene ID 306942

mRNA Refseq NM_201561

Protein Refseq NP_963855

UniProt ID Q6R556

Chromosome Location 17p11

Function calcium ion binding

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