Staphylococcal complement inhibitor Recombinant Protein | scn recombinant protein

Recombinant Staphylococcus aureus (strain N315) Staphylococcal complement inhibitor

CATALOG #	HOST
AAA116847	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Staphylococcal complement inhibitor; Recombinant Staphylococcus aureus (strain N315) Staphylococcal complement inhibitor; SCIN; scn recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	32-116aa; Full Length of Mature Protein
Sequence	STSLPTSNEY QNEKLANELK SLLDELNVNE LATGSLNTYY KRTIKISGLK AMYALKSKDF KKMSEAKYQL QKIYNEIDEA LKSKY
Species	Staphylococcus aureus (strain N315)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES

SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for scn recombinant protein	Involved in countering the first line of host defense mechanisms. Efficiently inhibits opsonization, phagocytosis and killing of S. aureus by human neutrophils. Acts by binding and stabilizing human C3 convertases (C4b2a and C3bBb), leading to their inactivation. The convertases are no longer able to cleave complement C3, therefore preventing further C3b deposition on the bacterial surface and phagocytosis of the bacterium. Also prevents C5a-induced neutrophil responses (By similarity).
References	"Whole genome sequencing of meticillin-resistant Staphylococcus aureus." Kuroda M., Ohta T., Uchiyama I., Baba T., Yuzawa H., Kobayashi I., Cui L., Oguchi A., Aoki K., Nagai Y., Lian J.-Q., Ito T., Kanamori M., Matsumaru H., Maruyama A., Murakami H., Hosoyama A., Mizutani-Ui Y. Hiramatsu K. Lancet 357:1225-1240(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	446624916
NCBI Accession #	WP_000702262.1
NCBI GenBank Nucleotide #	WP_000702262.1
UniProt Accession #	Q99SU9

Molecular Weight	12.3 kDa
NCBI Official Full Name	MULTISPECIES: hypothetical protein
UniProt Protein Name	Staphylococcal complement inhibitor
UniProt Gene Name	**scn**
UniProt Synonym Gene Names	SCIN
UniProt Entry Name	SCIN_STAAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/scn-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116847