

Recombinant Staphylococcus Aureus SCN Protein (32-116 aa), His-SUMO-tagged

Cat. No. SCN-1780S **Lot. No.** (See product label)

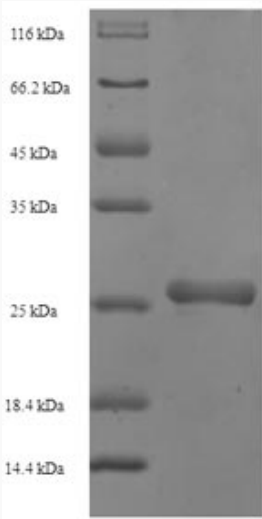
SPECIFICATION

Product Overview	Recombinant Staphylococcus Aureus (strain N315) SCN Protein (32-116 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Staphylococcus Aureus
Source	E.coli
ProteinLength	32-116 aa
Description	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).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	25.8 kDa
AA Sequence	STSLPTSNEYQNEKLANELKSLDELNVNELATGSLNTYYKRTIKISGLKAMYALKSK DFKKMSEAKYQLQKIYNEIDEALKSKY

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Synonyms	scn; SCIN;
UniProt ID	Q99SU9
	

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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