

## Active Recombinant Staphylokinase (SAK) protein

Cat. No. SAK-05S Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Staphylokinase (SAK) protein(28-163 aa) was expressed in E. coli.
<b>Species</b>	Staphylococcus phage phiN315
<b>Source</b>	E.coli
<b>ProteinLength</b>	28-163 aa
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH7.0, 0.02 % Tween80.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The specific activity determined by fibrinolytic lysis in agarose plate is $5.0 \times 10^4$ IU/mg.
<b>Molecular Mass</b>	Approximately 15.6 kDa, a single non-glycosylated polypeptide chain containing 136 amino acids.
<b>AASequence</b>	SSSFDKGGKYK KGDDASYFEP TGPYLMVNVT GVDGKRNELLS PRYVEFPIK PGTTLTKEKI EYYVEWALDA TAYKEFRVVE LDPSAKIEVT YYDKNKKKKEE TKSFPITEKG FVVPDLSEHI KNPGFNLITK VVIEKK
<b>Endotoxin</b>	Less than 1 EU/g of rSAK as determined by LAL method.
<b>Purity</b>	> 97% by SDS-PAGE and HPLC analyses.

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**Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

**SDS-PAGE**

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