

Active Recombinant Staphylokinase (SAK) protein

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

SPECIFICATION

Product Overview	Active Recombinant Staphylokinase (SAK) protein(28-163 aa) was expressed in E. coli.
Species	Staphylococcus phage phiN315
Source	E.coli
ProteinLength	28-163 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in PBS, pH7.0, 0.02 % Tween80.
Bio-activity	Fully biologically active when compared to standard. The specific activity determined by fibrining lysis in agarose plate is 5.0×10^4 IU/mg.
Molecular Mass	Approximately 15.6 kDa, a single non-glycosylated polypeptide chain containing 136 amino acids.
AASequence	SSSFDKGGKYK KGDDASYFEP TGPYLMVNVT GVDGKRNE LL SPRYVEFPIK PGTTLTKEKI EYYVEWALDA TAYKEFRVVE LDPSAKIEVT YYDKNKKKKEE TKSFPITEKG FVVPDLSEHI KNPGFNLITK VVIEKK
Endotoxin	Less than 1 EU/g of rSAK as determined by LAL method.
Purity	> 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.
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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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
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SDS-PAGE

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