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 μm 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	SSSFDKGKYK KGDDASYFEP TGPYLMVNVT GVDGKRNELL SPRYVEFPIK PGTTLTKEKI EYYVEWALDA TAYKEFRVVE LDPSAKIEVT YYDKNKKKEE TKSFPITEKG FVVPDLSEHI KNPGFNLITK VVIEKK
Endotoxin	Less than 1 EU/μg 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.
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.
SDS-PAGE	

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