
Product Data Sheet

Product Name: Staphylokinase

Cat. No.: GP22263

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Staphylokinase; SakSTAR; Neutral proteinase; Protease III; SAK.		
Solubility	It is recommended to reconstitute the lyophilized SAK in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.		

Introduction

Staphylokinase (SAK) is a 136-amino acid enzyme from *Staphylococcus aureus*. It is positively regulated by the "agr" gene regulator. It activates plasminogen, which in turn can degrade various host proteins during infection.

Biological Activity

The biological activity measured by the ability of fibrin lysis in agarose plate was found to be 50,000IU/mg.

Stability

Lyophilized SAK although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SAK should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Background

Staphylokinase Recombinant produced in *E. Coli* is a non-glycosylated polypeptide chain containing 136 amino acids and having a molecular weight of 16kDa. The Staphylokinase is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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