

Recombinant Staphylokinase

Catalog No.	CSI12686A	Quantity:	20 µg
	CSI12686B		100 µg
	CSI12686C		1 mg

Description: Staphylokinase (SAK), a profibrinolytic protein from the *Staphylococcus aureus*, has been demonstrated to induce highly fibrin-specific thrombolysis in both human plasma and in limited clinical trials. Recent studies on the thrombolytic potential of recombinant SAK in achieving early perfusion in myocardial infarction and in the dissolution of platelet-rich clot have clearly established its immense utility in clinical medicine as a thrombolytic agent and suggested that it can be developed as a potent clot-dissolving agent.

Recombinant Staphylokinase is a single, non-glycosylated polypeptide chain containing 136 amino acids.

Source: *E. coli*

Molecular Weight: 16 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

Purity: >95% by SDS-PAGE and HPLC

Endotoxin Level: Less than 1 EU/µg of recombinant SAK

Biological Activity: The specific biological activity measured by the ability of fibrin lysis in agarose plate was found to be 50000U/mg.

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.** Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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