Recombinant Streptokinase

Catalog No.	CSI10713A CSI10713B CSI10713C	**Quantity:**	100 µg 500 µg 1.0 mg

Alternate Names: SK, SKC, SKA

Description: Streptokinase (SK) is an extracellular metallo-enzyme produced by beta-hemolytic *Streptococcus* and is used as an effective and cheap clot-dissolving medication in some cases of myocardial infarction (heart attack) and pulmonary embolism. It belongs to a group of medications known as fibrinolytics, and works by activating plasminogen through cleavage to produce plasmin.

Recombinant Streptokinase is a single, non-glycosylated polypeptide chain containing 414 amino acids.

Source: *E.coli*

Molecular Weight: 47 kDa

Formulation: Lyophilized from a sterile filtered solution containing PBS, pH 7.4

Purity: >95% by HPLC and SDS-PAGE

Endotoxin Level: < 1EU/µg of recombinant streptokinase

Biological Activity: Measured by the ability of fibrin lysis in agarose gel plate

Specific Activity: 80,000 U/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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