

Recombinant Streptokinase

Catalog No.	CSI10713A CSI10713B CSI10713C	Quantity:	100 µg 500 µg 1.0 mg
Alternate Names:	SK, SKC, SKA		
Description:	<p>Streptokinase is a thrombolytic agent i.e. it dissolves vascular thrombi. This potent agent is derived from the beta haemolytic streptococci and is consequently associated with the risk of anaphylaxis. Streptokinase acts by stimulating the conversion of plasminogen to plasmin. It is a proteolytic enzyme that is able to disrupt fibrin stability and production. The half life of streptokinase is 6 hours.</p> <p>Recombinant Streptokinase a single non-glycosylated polypeptide chain containing 414 amino acids.</p>		
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Source:	<i>E.coli</i>		
Molecular Weight:	~47.3 kDa		
Formulation:	Lyophilized from a sterile filtered solution containing PBS, pH 7.4		
Purity:	>95% by HPLC and SDS-PAGE		
Endotoxin Level:	<1 EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The specific activity determined by fibrinolytic lysis in agarose plate is 8.0×10^4 IU/mg.		
Specific Activity:	80,000 IU/mg		
Amino Acid Sequence:	IAGPEWLLDR PSVNNSQLVV SVAGTVEGTN QDISLKFFEI DLTSRPAHGG KTEQGLSPKS KLFATDSGAM PHKLEKADLL KAIQEQLIAN VHSNDDYFEV IDFASDATIT DRNGKVYFAD KDGSVTLPIQ PVQEFLKKGH VRVRPYKEKP VQNQAKSVDV EYTVQFTPLN PDDDFRPALK DTKLLKTLAI GDTITSQELL AQAQSILNKN HPGYTIYERD SSIVTHDNDI FRTILPMDQE FTYHVKNREQ AYRINKKSGL NEEINNTDLI SEKYYVLKKG EKPYDPFDRS HLLKFTIKYV DVNTNELLKS EQLLTASERN LDFRDLYDPR DKAKLLYNNL DAFGIMDYTL TGKVEDNHDD TNRIITVYMG KRPEGENASY HLAYDKDRYT EEEREVYSYL RYTGTPIPDN PNDK		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	<p>The lyophilized protein is stable at 2-8°C. Upon receipt, store desiccated at -20°C. After reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. For long term storage of reconstituted protein, it is recommended that a carrier protein such as 0.1% BSA or HSA be added. This depends on the particular application.</p> <p>Avoid repeated freeze/thaw cycles.</p>		

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