

32-2821: Staphylokinase Recombinant Protein

Alternative Name : Staphylokinase,SakSTAR,Neutral proteinase,Protease III,SAK.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 100 µg

Purification : Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Content : Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Storage condition : 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.

Application Note

It is recommended to reconstitute the lyophilized SAK in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The biological activity measured by the ability of fibrin lysis in agarose plate was found to be 50,000IU/mg.

