

## 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 H<sub>2</sub>O 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.

