

Product Data Sheet

Staphylokinase Protein, S. aureus

Cat. No.:	HY-P72780		
Synonyms:	Staphylokinase; Neutral proteinase; Protease III; SakSTAR; sak		
Species:	Staphylococcus aureus		
Source:	E. coli		
Accession:	P68802 (S28-K163)		
Gene ID:	58067813		
Molecular Weight:	Approximately 15.6 kDa		

AA SequenceS S S F D K G K Y K S P H Y V E F P I K L D P S A K I E V T Y Y D K N K K K E E K N P G F N L I T K V V I E K KT G P Y L M V N V T G T L T K E K I Y Y D K N K K K E E T K S F P I T E K G F FBiological ActivityThe specific activity determined by fibrining lysis in agarose plate is >5.0 × 10 ⁴ IU/mg.AppearanceLyophilized powder.FormulationLyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.Endotoxin Level<1 EU/µg; determined by LAL method.	PROPERTIES					
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SSSFDKGKYK KGDDASYFEP TGPYLMVNVT G SPHYVEFPIK PGTTLTKEKI EYYVEWALDA T LDPSAKIEVT YYDKNKKKEE TKSFPITEKG F Biological Activity The specific activity determined by fibrining lysis in agarose plate is >5.0 × 10 ⁴ IU/mg. Appearance Lyophilized powder. Image: Comparison of PBS, pH 7.4. Endotoxin Level <1 EU/µg; determined by LAL method.	AA Sequence					
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Shipping Room temperature in continental US; may vary elsewhere.		recommended to freeze	aliquots at -20°C or -80°C for e	extended storage.		
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DESCRIPTION	
Background	Staphylokinase Protein is a potent plasminogen activator that efficiently converts plasminogen into plasmin, an active enzyme involved in fibrinolysis. It forms a 1:1 complex with plasmin, and this complex further activates additional plasminogen molecules, amplifying the fibrinolytic cascade.

Caution: Product has not been fully validated for medical applications. For research use only.

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