

Active Recombinant Streptococcus sp. Streptokinase G Protein

Cat. No. skg-1378S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Streptococcus sp. Streptokinase G Protein(P10519)(27-440 aa) was expressed in E. coli.
Species	Streptococcus
Source	E.coli
ProteinLength	27-440 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, 0.02% Tween20.
Bio-activity	Fully biologically active when compared to standard. The specific activity determined by fibrining lysis in agarose plate is 8.0×10^4 IU/mg.
Molecular Mass	Approximately 47.3 kDa, a single non-glycosylated polypeptide chain containing 414 amino acids.
AASequence	IAGPEWLLDR PSVNNSQLVV SVAGTVEGTN QDISLKFFEI DLTSRPAHGG KTEQGLSPKS KLFATDSGAM PHKLEKADLL KAIQEQLIAN VHSNDDYFEV IDFASDATIT DRNGKVYFAD KDGSVTLP IQ PVQEFLKKGH VRVRPYKEKP VQNQAKSVDV EYTVQFTPLN PDDDFRPALK DTKLLKTLAI GDTITSQELL AQAQSILNKN HPGYTIYERD SSIVTHDNDI FRTILPMDQE FTYHVKNREQ AYRINKKSGL NEEINNTDLI SEKYYVLKKG EKPYPDFDRS HLKLFTIKYV

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DVNTNELLKS EQLLTASERN LDFRDLYDPR DKAKLLYNNL DAFGIMDYTL
 TGKVEDNHDD TNRIITVYMG KRPEGENASY HLAYDKDRYT EEEREVYSYL
 RYTGTPIPDN PNDK

Endotoxin

Less than 1 EU/μg of rSK as determined by LAL method.

Purity

> 97 % by SDS-PAGE and HPLC analyses.

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

SDS-PAGE

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