

## Recombinant Staphylokinase

Catalog No: #AP60423

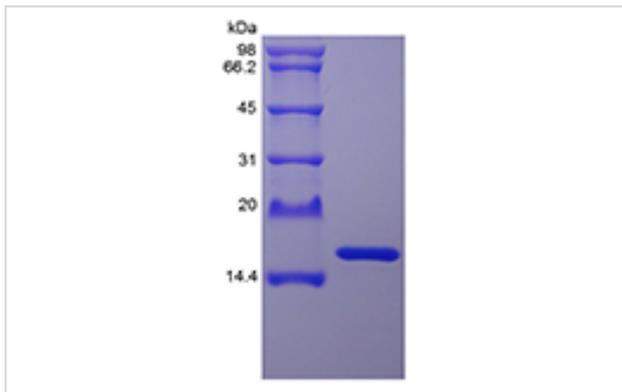
Package Size: #AP60423-1 100ug #AP60423-2 500ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

|                 |  |
|-----------------|--|
| Product Name    | Recombinant Staphylokinase   |
| Host Species    | Escherichia coli   |
| Purification    | > 97% by SDS-PAGE and HPLC analyses.   |
| Other Names     | Sak42D   |
| Calculated MW   | Approximately 15.6 kDa, a single non-glycosylated polypeptide chain containing 136 amino acids.  |
| Target Sequence | SSSFDKGGKYK KGDDASYFEP TGPYLMVNVT GVDGKRNE LL SPRYVEFPIK PGTTLTKEKI EYYVEWALDA<br>TAYKEFRVVE LDPSAKIEVT YYDKNKKKKEE TKSFPITEKG FVVPDLSEHI KNPGFNLITK VVIEKK  |
| Formulation     | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.   |
| 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. |

## Images



## Background

Staphylokinase is an amino acid enzyme secreted by several species of streptococci. It is a 16kDa potent plasminogen activator that converts plasminogen into plasmin which can digest fibrin the major constituent of blood thrombi. SAK forms 1:1 complex with plasmin, which is a positive feedback of producing other complexes. Recent studies on the thrombolytic potential of recombinant SAK in achieving early perfusion in myocardial infarction and in the dissolution of platelet-rich clot have clearly established its immense utility in clinical medicine as a thrombolytic agent and suggested that it can be developed as a potent clot-dissolving agent.

Note: This product is for in vitro research use only