

Recombinant Staphylokinase

Catalog No: #AP60423



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

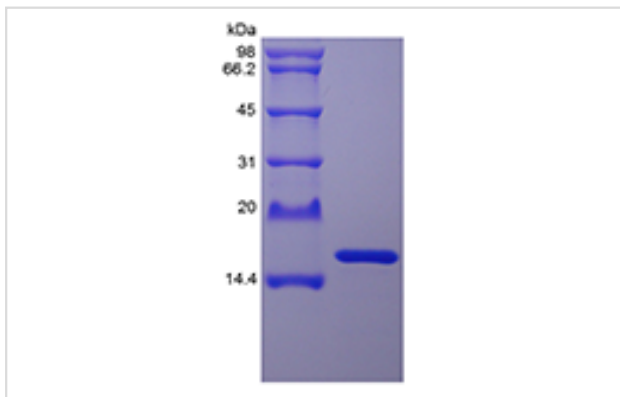
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Description

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 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. <ul style="list-style-type: none"> -□ A minimum of 12 months from date of receipt, when stored at &le;-20 °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 and is not intended for use in humans or animals.