Active Recombinant BK (SVTLE)

Cat. No. BK(SVTLE)-649 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant BK (SVTLE) produced in E. coli is a single, glycosylated, polypeptide chain containing 231 amino acids, and having a molecular mass of approximately 28,00033,000 Dalton.
Source	P.pastoris
Description	Batroxobin is a serine protease derived from the venom of Bothrops atrox. This thrombin-like proteolytic enzyme splits the 16 Arg-17 Gly bond in the A (alpha)-chain of fibrinogen, releasing fibrinopeptide A and leading to the clot formation through aggregation of ormed of fibrin I monomer or Des-AA-monomer. In contrast to other anti-coagulants, it does not affect the functions of platelets. Hence, Batroxobin is used to determine fibrinogen in plasma, to measure a "batroxobin clotting time" as a heparin-insensitive parallel to the thrombin time, to investigate dysfibrinogenemia, and to test the contractile system of platelets.
Form	Lyophilized from a 0.2 μm filtered concentrated sodium acetate buffer solution.
Bio-activity	Fully biologically active when compared to standard. The biologically activity of rRpBX is no less than 500 KU/mg (Klobusitzky Unit). One KU is defined as the amount of enzyme which coagulates standard human plasma incubated at 37 centigrade in vitro wit
Molecular Mass	28,00033,000 Dalton
AA Sequence	VIGGDECDIN EHPFLAFMYY SPRYFCGMTL INQEWVLTAA HCNRRFMRIH

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	LGKHAGSVAN YDEVVRYPKE KFICPNKKKN VITDKDIMLI RLDRPVKNSE HIAPLSLPSN PPSVGSVCRI MGWGAITTSE DTYPDVPHCA NINLFNNTVC REAYNGLPAK TLCAGVLQGG IDTCGGDSGG PLICNGQFQG ILSWGSDPCA EPRKPAFYTK VFDYLPWIQS IIAGNKTATC P
Endotoxin	Less than 0.5 EU/μg of rRpBX/SVTLE as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.
Usage	This material is for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apport
Reconstitution	We recommend that this vial be briefy 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 apportion

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