

Recombinant Streptolysin slo protein

Cat. No. slo-92 Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Streptolysin slo protein was expressed in Escherichia coli.
Species	Streptolysin
Source	E.coli
ProteinLength	538
Description	Sulfhydryl-activated toxin that causes cytolysis by forming pores in cholesterol containing host membranes. After binding to target membranes, the protein undergoes a major conformation change, leading to its insertion in the host membrane and formation of an oligomeric pore complex. Cholesterol may be required for binding to host membranes, membrane insertion and pore formation. Can be reversibly inactivated by oxidation.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Molecular Mass	Approximately 60.1 kDa, a single non-glycosylated polypeptide chain containing 538 amino acids.
AA Sequence	NKQNTASTETTTTNEQPKPESELTEKAGQKTDDMLNSNDMIKLAPKEMPLES AEKKEKSEDKKKSEEDHTEEINDKIYSLNYNELEVLAKNGETIENFVPKEGVKKADKFIV IERKKKNINTTPVDISIIDSVTDRTYPAALQLANKGFTENKPDVVTKRNPQKIHIDLPG MGDKATVEVNDPTYANVSTADNLVNQWHDNYSGGNTLPARTQYTESMVYSKSKQIE AALNVNSKILDGTLGIDFKSISKGEKKVMIAAYKQIFYTVSANLPNNPADVFDKSVTFK

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ELQRKGVSNAPPLFVSNVAYGRTVFKLETSSKSNDEAAFSALKGTDVKTNGK
 YSDILENSSFTAVVLGGDAAEHNKVVTKDFDVIRNVIKDNATFSRKNPAYPISYTSVFL
 KNNKIAGVNNRTEYVETTSTEYTSKINLSHQGAYVAQYEILWDEINYDDKGKEVITK
 RRWDNNWYSKTSPFSTVIPLGANSRIRIMARECTGLAWEWWRKVIDERDVKLSKE
 INVNISGSTLSPYGSITYK

Endotoxin Less than 0.1 EU/μg of rStreptolysin O as determined by LAL method.

Purity >97% by SDS-PAGE and HPLC analysis.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade 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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name slo

Official Symbol slo

Gene ID 900490

Protein Refseq NP_268546.1

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UniProt ID

P0DF97

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