

## Recombinant Streptolysin O

Catalog No: #AP60505

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## Description

|                 |   |
|-----------------|---|
| Product Name    | Recombinant Streptolysin O  |
| Purification    | > 97 % by SDS-PAGE and HPLC analyses.   |
| Uniprot         | P0DF97  |
| Calculated MW   | Approximately 60.1 kDa, a single non-glycosylated polypeptide chain containing 538 amino acids.   |
| Target Sequence | NKQNTASTET TTTNEQPKPE SSELTTEKAG QKTDDMLNSN DMIKLAPKEM PLES AEKEEK KSEDKKKSEE<br>DHTEEINDKI YSLNYNELEV LAKNGETIEN FVPKEGVKKA DKFIVIERKK KNINTTPVDI SIIDSVTDRT<br>YPAALQLANK GFTENKPDVA VTKRNPQKIH IDLPGMGDKA TVEVNDPTYA NVSTAINLNV NQWHDNYSGG<br>NTLPARTQYT ESMVYSKSI EAALNVNSKI LDGTLGIDFK SISKGEKKVM IAAYKQIFYT VSANLPNNPA<br>DVFDSVTFK ELQRKGSNE APPLFVSIVA YGRTVFKLE TSSKSNDEVA AFSALKGTD VKTNGKYSDI<br>LENSFTAVV LGGDAAEHNK VTKDFDVIR NVIKDNATFS RKNPAYPISY TSVFLKNNKI AGVNNRTEYV<br>ETTSTEYTSK KINLSHQGAY VAQYEILWDE INYDDKGKEV ITRRWDNNW YKTSFPFSTV IPLGANSRNI<br>RIMARECTGL AWEWWRKVID ERDVKLSKEI NVNISGSTLS PYGSITYK |
| 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.- Refer to lot specific COA for the Use by<br>Date when stored at β -20 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.-<br>3 months, -20 to -70 °C under sterile conditions after reconstitution.  |

## Background

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.

Note: This product is for in vitro research use only