

Recombinant Streptolysin O

Catalog No: #AP60505

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Description

Product Name	Recombinant Streptolysin O
Host Species	Escherichia coli
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Calculated MW	Approximately 60.1 kDa, a single non-glycosylated polypeptide chain containing 538 amino acids.
Target Sequence	NKQNTASTET TTTNEQPKPE SSELTTEKAG QKTDDMLNSN DMIKLAPKEM PLESAAEKEEK KSEDKKKSEE DHTEEINDKI YSLNYNELEV LAKNGETIEN FVPKEGVKKA DKFVIERKK KNINTTPVDI SIIDSVTDRT YPAALQLANK GFTENKPDVA VTKRNPQKIH IDLPGMGDKA TVEVNDPTYA NVSTAINLV NQWHDNYSGG NTLPARTQYT ESMVYSKSI EAALNVNSKI LDGTLGIDFK SISKGEKKVM IAAYKQIFYT VSANLPNPA DVFDSVTFK ELQRKGSNE APPLFVSNA YGRTVFKLE TSSKSNDEVA AFSAAKGTD VKTNGKYSDI LENSFTAVV LGGDAAEHNK VTKDFDVIR NVIKDNATFS RKNPAYPISY TSVFLKNNKI AGVNNRTEYV ETTSTEYTSK KINLSHQGAY VAQYEILWDE INYDDKGKEV ITRRWDNNW YSKTSPFSTV IPLGANSRNI RIMARECTGL AWEWWRKVID ERDVKLSKEI NVNIGSTLS 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. -□ A minimum of 12 months from date of receipt, when stored at ≤-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.

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 and is not intended for use in humans or animals.