

Streptolysin-O Streptococcus Pyogenes Recombinant

Item Number	rAP-4304
Synonyms	Streptolysin O, Thiol-activated cytolysin, slo.
Description	Recombinant Streptococcus Pyogenes Streptolysin-O produced in E.coli is a single, non-glycosylated, polypeptide chain containing 538 amino acids and having a molecular mass of 60.1kDa. The Streptolysin-O is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P0DF96
Amino Acid Sequence	NKQNTASTET TTTNEQPKPE SSELTEKAG QKTDDMLNSN DMIKLAPKEM PLES AEKEEK KSEDKKKSEE DHTTEINDKI YSLNYNELEV LAKNGETIEN FVPKEGVKKA DKFIVIERKK KNINTTPVDI SIIDSVTDRY YPAALQLANK GFTENKPDV VTKRNPQKIH IDLPGMGDKA TVEVNDPTYA NVSTAI DNLV NQWHDNYS GG NTLPARTQYT ESMVYSKSI EAALNVNSKI LDGLGIDFK SISKGEKKVM IAAYKQIFYT VSANLPNPA DVFDKSVTFK ELQRKGSVNE APPLFVS NVA YGRTVFVKLE TSSKSNDVEA AF- SAALKGTD VKTNGKYSDI LENSSTAVV LGGDAAEHNK VVTKDFDVIR NVIKDNATFS RKNPAYPISY
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered white lyophilized powder. Lyophilized Streptolysin-O although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Streptolysin-O should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Streptolysin-O protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Streptolysin-O in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**